



College Station Independent School District

Success...each life...each day...each hour

PURCHASING OFFICE INTER-DEPARTMENTAL MEMO

DATE: May 29, 2020
TO: Mike Martindale, Superintendent
FROM: Carmella Shafer, Director of Purchasing
SUBJECT: District-Wide Enhancement and Upgrade of Cameras and Two-Way Radios from School Safety and Security Grant

The district has received a grant award from TEA for School Safety and Security. The grant can be used to purchase additional safety and security equipment (campus hardening) such as (1) exterior doors with push bars; (2) metal detectors at school entrances; (3) erected vehicle barriers; (4) security systems that monitor and record school entrances, exits, and hallways; (5) campus-wide active shooter alarm systems that are separate from fire alarms; (6) two-way radio systems; (7) perimeter security fencing; (8) bullet-resistant glass or film for school entrances; and (9) door-locking systems.

We have evaluated our safety and security program that we have in place, to look for opportunities to enhance what we already do, and to ensure that we have created the safest possible learning environment. Over the next year, the district will deploy the TEA grant funds to add some 64 security cameras to the approximately 585 currently in use around the district. Additionally, we will be enhancing and upgrading our two-way radios and system district-wide, in addition to purchasing 179 new radios. The addition of these devices will provide the district with even greater coverage of CSISD campuses.

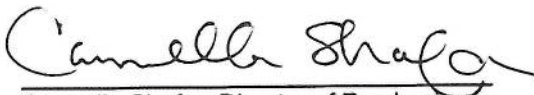
The Technology Department has received the following vendor quotes for the purchase, upgrade, and installation to enhance our school safety and security. Each of the purchases has been competitively bid and meet the competitive bid requirements stipulated in Texas Government Code, Section 791.025.

Design Security Controls, LLC will be providing the new cameras, mounts, and installation. Their proposal number DSCQ9682-02 for \$61,074.50 is based on EPIC 6 4.19 purchasing bid.

Motorola Solutions will be providing additional new radios, licenses, batteries, and chargers. Their proposal dated 5/12/2020 for \$56,345.08 is based on HGAC contract RA05-18 purchasing bid.

Texas Communications will be providing new radios, upgrading the current radio system from analog to digital, FCC licensing, repeaters, installation, programming, and configuration. Their quotes 310599-00 (\$53,244.36) and 310601-00 (\$15,245.00) for a total of \$68,489.36 based on DIR-TSO-4145 purchasing bid.

It is the recommendation of Carmella Shafer, Director of Purchasing and David Hutchison, Director of Technology that the district approves these purchases to enhance and upgrade our school safety and security using the School Safety and Security grant.


Carmella Shafer, Director of Purchasing


David Hutchison, Director of Technology

Carmella Shafer, RTSBA
Director for Purchasing
(979) 694-5617

9304 Rock Prairie Rd.
College Station, TX 77845
979-764-5400 -- www.csisd.org

Mike Martindale
Superintendent of Schools

DESIGN SECURITY CONTROLS QUOTE

Official Proposal



Design Security Controls, LLC
 1511 Upland Drive
 Suite 103
 Houston, TX 77043

Office 713.464.8407
 Fax 713.464.2560
 E-Mail info@ThinkDSC.com
 Web www.ThinkDSC.com



Texas HUB Certified
 Vendor # 49671

License Numbers: B19447 | ACR-1930865 | SCR-G-2123149

Client	Project Location	Prepared By
College Station ISD David Hutchison Attn: Business Office 1812 Welsh Ave. College Station, TX 77840 United States Phone	College Station ISD David Hutchison Attn: Business Office 1812 Welsh Ave. College Station, TX 77840 United States	 Ricky Johnson General Manager Phone 713-464-8407 Mobile Fax 713-464-8407 E-Mail rjohnson@thinkDSC.com

Proposal Details & Introductory Notes

Proposal Number DSCQ9682-02 Proposal Date May 20, 2020 Quote Expires 7/14/2020

This is your proposal to add multiple cameras at multiple locations. As long as you're using MVR's and have open ports no VMS licenses are required. If you're planning on centralizing and going to servers please let me know and I will add VMS licenses.

Manufacturer Part #	Description	Qty	Unit Price	Ext. Price
	2019 Video Security Camera Requests			
	EPIC 6 Samsung camera equipment			
	A&M Consolidated HS:			
QND-8080R	Wisenet Q network indoor dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, PoE, white color	9.00	\$487.50	\$4,387.50
SBP-120WMW	Indoor wall mount for indoor domes (QND-8080R/8030R/8020R/8010R/6082R/6032R/6022R/6012R), white color	6.00	\$18.75	\$112.50
Labor Installation	Installation Labor	21.00	\$120.00	\$2,520.00
	SubTotal			\$7,020.00
	College Station HS:			
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	3.00	\$555.00	\$1,665.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	3.00	\$48.75	\$146.25

Manufacturer Part #	Description	Qty	Unit Price	Ext. Price
Labor Installation	Installation Labor	16.00	\$120.00	\$1,920.00
	SubTotal			\$3,731.25
	College View HS			
QND-8080R	Wisenet Q network indoor dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, PoE, white color	1.00	\$487.50	\$487.50
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	3.00	\$555.00	\$1,665.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	3.00	\$48.75	\$146.25
XNF-8010R	Wisenet X powered by Wisenet 5 network indoor fisheye, 6MP CMOS sensor, 2048x2048 @ 30fps with WDR off/on(120dB), 1.6mm fixed lens (192°), H.265/H.264/MJPEG, WiseStream II compression technology, true WDR, USB port for easy installation, advanced video, audio and business analytics, simple focus, dual SD card, HLC, defog detection, DIS, 12VDC/PoE, IP66, IK10	1.00	\$712.50	\$712.50
Labor Installation	Installation Labor	13.00	\$120.00	\$1,560.00
	SubTotal			\$4,571.25
	A&M Consolidated MS			
QND-8080R	Wisenet Q network indoor dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, PoE, white color	2.00	\$487.50	\$975.00
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	4.00	\$555.00	\$2,220.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	4.00	\$48.75	\$195.00
Labor Installation	Installation Labor	18.00	\$120.00	\$2,160.00
	SubTotal			\$5,550.00
	College Station MS			

Manufacturer Part #	Description	Qty	Unit Price	Ext. Price
QND-8080R	Wisenet Q network indoor dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, PoE, white color	5.00	\$487.50	\$2,437.50
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	3.00	\$555.00	\$1,665.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	3.00	\$48.75	\$146.25
Labor Installation	Installation Labor	23.00	\$120.00	\$2,760.00
	SubTotal			\$7,008.75
	Cypress Grove IS			
QND-8080R	Wisenet Q network indoor dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, PoE, white color	3.00	\$487.50	\$1,462.50
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	2.00	\$555.00	\$1,110.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	2.00	\$48.75	\$97.50
Labor Installation	Installation Labor	16.00	\$110.00	\$1,760.00
	SubTotal			\$4,430.00
	Oakwood IS			
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	3.00	\$555.00	\$1,665.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	3.00	\$48.75	\$146.25
Labor Installation	Installation Labor	10.00	\$120.00	\$1,200.00
	SubTotal			\$3,011.25
	College Hills ES			

Manufacturer Part #	Description	Qty	Unit Price	Ext. Price
QND-7080R	4MP indoor dome network camera , Triple Codec H.265/H.264/MJPEG, Wisestream,2.8 ~ 12.0mm motorized varifocal lens, IR, PoE/12VDC, 120dB True WDR, Defocus Detection, Hallway View, One way audio and SD card slot (SD/SDHC/SDXC up to 128GB).	1.00	\$419.25	\$419.25
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	1.00	\$555.00	\$555.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	1.00	\$48.75	\$48.75
Labor Installation	Installation Labor	8.00	\$120.00	\$960.00
	SubTotal			\$1,983.00
	Creek View ES			
QND-7080R	4MP indoor dome network camera , Triple Codec H.265/H.264/MJPEG, Wisestream,2.8 ~ 12.0mm motorized varifocal lens, IR, PoE/12VDC, 120dB True WDR, Defocus Detection, Hallway View, One way audio and SD card slot (SD/SDHC/SDXC up to 128GB).	1.00	\$387.00	\$387.00
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	1.00	\$555.00	\$555.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	1.00	\$48.75	\$48.75
Labor Installation	Installation Labor	8.00	\$120.00	\$960.00
	SubTotal			\$1,950.75
	Forest Ridge ES			
QND-7080R	4MP indoor dome network camera , Triple Codec H.265/H.264/MJPEG, Wisestream,2.8 ~ 12.0mm motorized varifocal lens, IR, PoE/12VDC, 120dB True WDR, Defocus Detection, Hallway View, One way audio and SD card slot (SD/SDHC/SDXC up to 128GB).	2.00	\$419.25	\$838.50
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	1.00	\$555.00	\$555.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	1.00	\$48.75	\$48.75
Labor Installation	Installation Labor	13.00	\$120.00	\$1,560.00
	SubTotal			\$3,002.25
	Greens Prairie ES			

Manufacturer Part #	Description	Qty	Unit Price	Ext. Price
QND-7080R	4MP indoor dome network camera , Triple Codec H.265/H.264/MJPEG, Wisestream,2.8 ~ 12.0mm motorized varifocal lens, IR, PoE/12VDC, 120dB True WDR, Defocus Detection, Hallway View, One way audio and SD card slot (SD/SDHC/SDXC up to 128GB).	2.00	\$419.25	\$838.50
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	2.00	\$555.00	\$1,110.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	2.00	\$48.75	\$97.50
Labor Installation	Installation Labor	16.00	\$120.00	\$1,920.00
	SubTotal			\$3,966.00
	Pebble Creek ES			
QND-7080R	4MP indoor dome network camera , Triple Codec H.265/H.264/MJPEG, Wisestream,2.8 ~ 12.0mm motorized varifocal lens, IR, PoE/12VDC, 120dB True WDR, Defocus Detection, Hallway View, One way audio and SD card slot (SD/SDHC/SDXC up to 128GB).	1.00	\$419.25	\$419.25
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	2.00	\$555.00	\$1,110.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	2.00	\$48.75	\$97.50
Labor Installation	Installation Labor	13.00	\$120.00	\$1,560.00
	SubTotal			\$3,186.75
	Rock Prairie ES			
QND-7080R	4MP indoor dome network camera , Triple Codec H.265/H.264/MJPEG, Wisestream,2.8 ~ 12.0mm motorized varifocal lens, IR, PoE/12VDC, 120dB True WDR, Defocus Detection, Hallway View, One way audio and SD card slot (SD/SDHC/SDXC up to 128GB).	3.00	\$419.25	\$1,257.75
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	1.00	\$555.00	\$555.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	1.00	\$48.75	\$48.75
Labor Installation	Installation Labor	16.00	\$120.00	\$1,920.00
	SubTotal			\$3,781.50
	South Knoll ES			

Manufacturer Part #	Description	Qty	Unit Price	Ext. Price
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	3.00	\$555.00	\$1,665.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	3.00	\$48.75	\$146.25
Labor Installation	Installation Labor	10.00	\$120.00	\$1,200.00
	SubTotal			\$3,011.25
	Spring Creek ES			
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	1.00	\$555.00	\$555.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	1.00	\$48.75	\$48.75
Labor Installation	Installation Labor	8.00	\$120.00	\$960.00
	SubTotal			\$1,563.75
	Southwood Valley ES			
QND-7080R	4MP indoor dome network camera , Triple Codec H.265/H.264/MJPEG, Wisestream, 2.8 ~ 12.0mm motorized varifocal lens, IR, PoE/12VDC, 120dB True WDR, Defocus Detection, Hallway View, One way audio and SD card slot (SD/SDHC/SDXC up to 128GB).	1.00	\$419.25	\$419.25
QNV-8080R	Wisenet Q network outdoor vandal dome camera, 5MP @ 30fps, motorized vari-focal lens 3.1x (3.2 ~ 10.0mm) (100°~31°), triple codec H.265/H.264/MJPEG with Wisestream II, 120dB WDR, IR LEDs range 98', defocus detection, hallway View, SD card, video analytics, CVBS, open platform, IP66, IK10, PoE, white color	2.00	\$555.00	\$1,110.00
SBP-137WMW1	Outdoor wall mount for outdoor domes (QNV-6012R/6022R/6032R/8010R/8020R/8030R, 8080R/6082R), white color	2.00	\$48.75	\$97.50
Labor Installation	Installation Labor	14.00	\$120.00	\$1,680.00
	SubTotal			\$3,306.75
			SubTotal	\$61,074.50
			Tax	\$0.00
			Shipping	\$0.00
			Total	\$61,074.50

Manufacturer Part #	Description	Qty	Unit Price	Ext. Price
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Project is based upon acceptance of a mutually agreed upon contract Terms & Conditions. DSC considers this proposal an integral as part of any contract and/or purchase order offer. A written acceptance of this proposal, Letter of Intent, Signed Contract or Purchase Order will be required for DSC to begin any work on this project. Depending on the size and scope please allow 2-6 weeks for engineering submittals.

Most systems that are installed by DSC require connection to a network or Internet. It is the customer's responsibility to make sure that this connection is available. If DSC has to spend additional time troubleshooting network connections or port forwarding issues there will be an additional charge for the labor. Any Patch and Paint is by others.

Electrical work and conduit is excluded from this bid unless explicitly stated as a line item in this bid or proposal. Electrical Contractor is responsible for providing and installing all conduit/raceway, cable tray system, underground conduit, penetrations, sleeves with plastic bushings and fireproofing thereof, stub-ups, device boxes, standard electrical boxes, all special boxes furnished by DSC, mechanical areas and other areas as required, caddy bars and boxes, fittings and supports required for all field devices and control panels. J-box paint and label if required, A.C. power and connections to control panels, power supplies and devices such as actuators, dampers, DDC controllers, AHU'S fans, VFD'S, elevator recall etc. and as required by project drawings and DSC requirements.

Unless stated otherwise in the scope above, all materials and/or labor provided by DSC shall be under warranty against defects in material and workmanship under normal use and service, for a period of one year from date of acceptance or beneficial use, whichever occurs first.

If this quote contains lease payment options, the lease options are provided as an estimate only. Final lease payment amount is subject to credit verification and applicable taxes as required by law.

For clarification or further information on these exclusions and limitations, please contact us.

QND-8080R

5MP Network IR Dome Camera

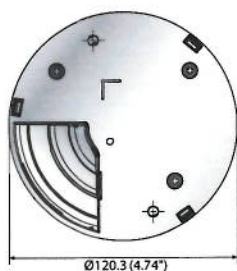
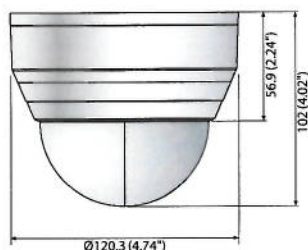


Key Features

- Max. 5Megapixel (2592 x 1944) resolution
- 3.2~10mm(3.1x) motorized varifocal lens
- 0.15Lux (Color), 0Lux (B/W, IR LED on)
- Max. 30fps@5MP (H.265 / H.264)
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day & Night, WDR (120dB)
- Tampering, Motion detection, Defocus detection
- Micro SD / SDHC / SDXC memory slot (Max. 128GB)
- Hallway view, WiseStream II support
- IR Viewable length 20m, PoE

Dimensions

Unit : mm (inch)



Accessories (Optional)



QND-8080R

VIDEO	
Imaging Device	1/2.8" 5MP CMOS
Effective Pixels	2592(H) x 1944(V)
Min. Illumination	Color : 0.15Lux (F1.6, 1/30sec) BW : 0Lux (IR LED on)
Video Out	CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P) for installation
LENS	
Focal Length (Zoom Ratio)	3.2~10mm (3.1x) motorized varifocal
Max. Aperture Ratio	F1.6 (Wide)~F2.9 (Tele)
Angular Field of View	H : 100.3°(Wide)~31.2°(Tele) / V : 72.3°(Wide)~23.5°(Tele) / H : 133.1°(Wide)~38.8°(Tele)
Focus Control	Simple focus
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0°~350° / 0°~67° / 0°~355°
OPERATIONAL	
IR Viewable Length	20m (65.62ft)
Camera Title	Displayed up to 85 characters
Day & Night	Auto (ICR)
Backlight Compensation	BLC, WDR, SDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR
Motion Detection	4ea, polygonal zones
Privacy Masking	6ea, rectangular zones
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view (90°/270°)
Analytics	Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm events	File upload via FTP and e-mail, Notification via e-mail, SD/SDHC/SDXC or NAS recording at event triggers, Alarm output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression	H.265/H.264 : Main/High, MJPEG
Resolution	2592 x 1944, 1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360
Max. Framerate	H.265/H.264 : Max. 30fps/25fps (60Hz/50Hz) / MJPEG : Max. 15fps/12fps (60Hz/50Hz)
Smart Codec	WiseStream II
Video Quality Adjustment	H.264/H.265 : Target bitrate level control / MJPEG : Quality level control
Bitrate Control	H.264/H.265 : CBR or VBR / MJPEG : VBR
Streaming	Unicast (6 users) / Multicast, Multiple streaming (Up to 3 profiles)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1X authentication (EAP-TLS, EAP-LEAP)
Edge Storage	Micro SD/SDHC/SDXC 1slot 128GB
Application Programming Interface	ONVIF Profile S/G/T SUNAPI (HTTP API) Wisenet open platform
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch

QND-8080R

Web Viewer	Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12, 10.13, 10.14 Recommended Browser : Google Chrome Supported Browser : MS Explorer11, MS Edge, Mozilla Firefox (Windows 64bit only), Apple Safari (Mac OS X only)
Memory	512MB RAM, 256MB Flash
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +50°C (+14°F ~ +122°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage	PoE (IEEE802.3af, Class3)
Power Consumption	PoE : Max 8.9W, typical 6.6W
MECHANICAL	
Color / Material	White / Plastic
RAL Code	RAL9003
Product dimensions / weight	Ø120.3 x 102.0mm (Ø4.74 x 4.02"), 430g (0.948 lb)

* The latest product information / specification can be found at hanwha-security.com

* Design and specifications are subject to change without notice.

* Wisenet is the proprietary brand of **Hanwha Techwin**.

QNV-8080R

5 MP Network IR Dome Camera

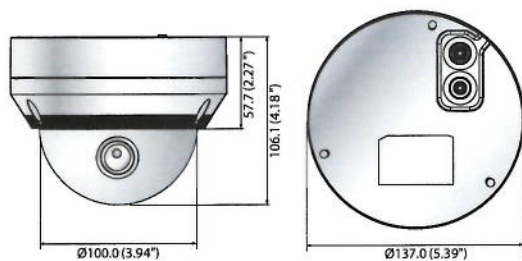


Key Features

- 5 Megapixel (2592 x 1944) resolution
- 3.2~10mm(3.1x) motorized varifocal lens
- 0.15Lux (Color), 0Lux (B/W, IR LED on)
- 30fps@5 MP (H.265 / H.264)
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day & Night, WDR (120dB)
- Defocus detection, Directional/Virtual Line detection, Motion detection, Enter/Exit, Tampering
- Micro SD / SDHC / SDXC memory slot (Maximum 128GB)
- Hallway view, WiseStream II support
- IR Viewable length 30m
- IP66, IK10, PoE

Dimensions

Unit : mm (inch)



Accessories (Optional)



QNV-8080R

VIDEO	
Imaging Device	1/2.8" 5 MP CMOS
Effective Pixels	2592(H) x 1944(V)
Minimum Illumination	Color : 0.15Lux (F1.6, 1/30sec) BW : 0Lux (IR LED on)
Video Out	CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480 for installation
LENS	
Focal Length (Zoom Ratio)	3.2~10mm (3.1x) motorized varifocal
Maximum Aperture Ratio	F1.6 (Wide)~F2.9 (Tele)
Angular Field of View	H : 100.3°(Wide)~31.2°(Tele) / V : 72.3°(Wide)~23.5°(Tele) / H : 133.1°(Wide)~38.8°(Tele)
Focus Control	Simple focus
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0°~350° / 0°~67° / 0°~355°
OPERATIONAL	
IR Viewable Length	30m (98.42ft)
Camera Title	Displayed up to 85 characters, 5 lines, English / Numeric / Special & International characters, 6 colors, Transparency, Auto scale by resolution
Day & Night	Auto (ICR)
Backlight Compensation	BLC, WDR, SSSR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR
Motion Detection	4ea, polygonal zones
Privacy Masking	6ea, rectangular zones
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view (90°/270°)
Analytics	Defocus detection, Directional/Virtual Line detection, Motion detection, Enter/Exit, Tampering
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm events	File upload via FTP and e-mail, Notification via e-mail, SD/SDHC/SDXC or NAS recording at event triggers, Alarm output, Handover
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression	H.265/H.264 : Main/High, MJPEG
Resolution	2592 x 1944, 1920 x 1080, 1280 x 960, 1280 x 720, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360
Maximum Framerate	H.265/H.264 : Maximum 30fps MJPEG : Maximum 15fps
Smart Codec	Manual (5ea area), WiseStream II
Video Quality Adjustment	H.264/H.265 : Target bitrate level control / MJPEG : Quality level control
Bitrate Control	H.264/H.265 : CBR or VBR / MJPEG : VBR
Streaming	Unicast (6 users) / Multicast, Multiple streaming (Up to 3 profiles)
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP
Security	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1X authentication(EAP-TLS, EAP-LEAP)
Edge Storage	Micro SD/SDHC/SDXC 1 slot maximum 128GB
Application Programming Interface	ONVIF Profile S/G/T SUNAPI (HTTP API) Wisenet open platform
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch

QNV-8080R

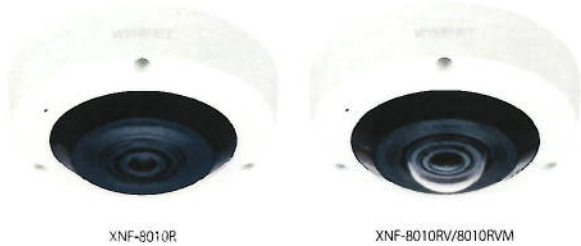
Web Viewer	Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12, 10.13, 10.14 Recommended Browser : Google Chrome Supported Browser : MS Explorer 11, MS Edge, Mozilla Firefox (Windows 64 bit only), Apple Safari (Mac OS X only)
Memory	512MB RAM, 256MB Flash
ENVIRONMENTAL	
Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH * Start up should be done at above -20°C
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Certification	IP66, IK10
ELECTRICAL	
Input Voltage	PoE (IEEE802.3af, Class3)
Power Consumption	PoE : Maximum 8.9W, typical 6.6W
MECHANICAL	
Color / Material	White / Aluminum
RAL Code	RAL9003
Product dimensions / weight	Ø137.0 x 106.1mm (Ø5.39 x 4.18"), 700g (1.543 lb)

* The latest product information / specification can be found at hanwhasecurity.com
 * Design and specifications are subject to change without notice.
 * Wisenet is the proprietary brand of **Hanwha Techwin**.

XNF-8010R/8010RV/8010RVM

6MP Sensor Fisheye Camera

XNF-8010R/8010RV/8010RVM

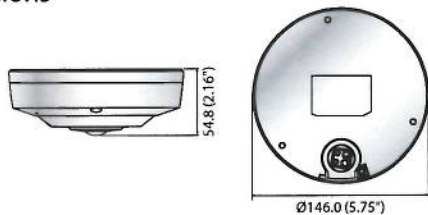


Key Features

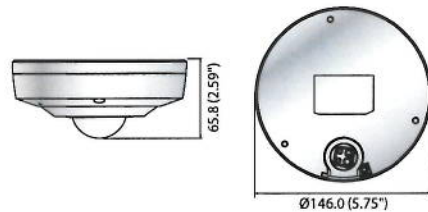
- Max. 2048 x 2048 resolution
- H.265, H.264, MJPEG codec supported
- Variable view mode (Fisheye, Single panorama, Double panorama, Quad view)
- On board dewarping, Digital PTZ (8x), Bi-directional audio
- True WDR (120dB), WiseStreamII support
- Tampering, Loitering, Directional detection, Audio detection, Sound classification, Heatmap, People counting, Queue management
- Motion detection, Handover
- M12 connector (XNF-8010RVM)
- IP66 / IK10 (XNF-8010RV/8010RVM)
- SD / SDHC / SDXC memory slot (Max. 512GB), 12V DC / PoE
- IR viewable length 15m (49.21ft)

Dimensions

Unit: mm (inch)



XNF-8010R



XNF-8010RV/8010RVM

VIDEO	
Imaging Device	1/1.8" 6M CMOS
Total Pixels / Effective Pixels	3,096,000 (1 x 2,096,000) / 2,048,000 (1 x 2,048,000)
Scanning System	Progressive
Min. Illumination	Color: 0.1 Lux (F1.6), B/W: 0 Lux (IR LED On)
S/N Ratio	40dB
Video Output	CVBS / Composite / DVI / SDI / HDMI / IP (RTSP) / Onvif / Onvif / Onvif / Onvif / Onvif / Onvif / Onvif / Onvif
LENS	
Focal Length / Max. Aperture Ratio	1.6mm / F1.6
Angular Field of View	H: 192° / V: 192° / D: 192°
Min. Object Distance	0.3m (0.98ft)
Focus Control	Smart focus / Manual, Remote control, Via network
Lens Type / Mount Type	Fixed / Board-in Type
OPERATIONAL	
Viewable Length	15m (49.21ft)
Camera Title	Off / On (Displayed up to 80 characters) - WW: English / Numeric / Special characters - China: English / Numeric / Chinese characters - Common: Multi-line (Max. 3), Color (Gray / Green / Red / Blue / Black / White), Transparency, Auto scale by resolution
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	On / Off / L / C / WDR
Wide Dynamic Range	120dB
Contrast Enhancement	WDR (Off / On)
Digital Noise Reduction	SSNR (2D + 3D Noise filter) (Off / On)
Digital Image Stabilization	Off / On
Defog	Off / Auto (Input from fog detection) / Manual
Motion Detection	Off / On (Area, 8-point polygonal zones), Handover
Privacy Masking	Off / On (3-line, polygonal) - Color (Gray, Green, Red, Blue, Black, White) - Mosaic
Gain Control	Off / Low / Middle / High
White Balance	A / W / AWC / Manual / Indoor / Outdoor (Included mercury & Sodium)
Electronic Shutter Speed	Minimum / Maximum / Anti-flicker (2 - 1 / 12,000sec)
Digital Zoom	8x, Digital PTZ (Preset, Group)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Loitering, Directional detection, Virtual Line Enter/Exit, (Dis)Appear, Audio detection, Sound classification, People counting, Heatmap, Queue management
Alarm I/O	Input: 1ea / Output: 1ea
Alarm Triggers	Alarm input, Motion detection, Video & Audio analytics, Network disconnect
Alarm Events	File upload via FTP and E-Mail, Notification via E-Mail, Local storage (SD/SDHC/SDXC) or NAS recording at event triggers, External output
Viewing Composition	Camera Side: Fisheye, Single panorama, Double panorama, Fisheye + 4 PTZ Quad View, Fisheye + 8 PTZ
NETWORK	
Ethernet	10/100/1000BASE-T
Video Compression Format	H.265 / H.264 / MJPEG
Resolution	Original view: 2048x1920, 1280x1280, 1024x1024, 960x960, 888x768, 720x720, 640x640, 480x480 Single panorama: 2048x512, 1920x480, 1280x370, 640x160, 704x176 Double panorama: 2048x1024, 1920x960, 1280x640, 640x320, 704x352 Quad View: 2048x1536, 1600x1200, 1280x960, 1024x768, 800x600, 640x480, 480x360 101 / 7 / 3 / 4 / 1024 x 768, 800 x 600, 640 x 480
Max. Framerate	125 / 1126 / 30 (page 2,048 x 2,048, MJPEG, Max. 12fps)
Smart Codec / WiseStreamII	Manual mode (pre-record) (Real) / Support
Video Quality Adjustment	H.265 / H.264: Target bitrate, eye control, MJPEG: Quality level control
Bitrate Control Method	H.265 / H.264: CBR or VBR, MJPEG: VBR
Streaming Capability	Multiple streaming (up to 10 profiles) Selectable (Main / Line-in / Built-in mic)
Audio In	Supply voltage: 7.5V DC (4mA), Input impedance: Approx. 2K Ohm
Audio Out	1ea (out) (3.5mm mono jack), Max output level: 1 Vrms G / 11 / u-w/w / G / 26 Selectable, G / 26 (ADPCM) 8K / G / 11 8K / G / 11
Audio Compression Format	G / 26: 16Kbps, 34Kbps, 32Kbps, 40Kbps, AAC-C, 48Kbps at 16KHz (XNF-8010R) (or 8 / 10 / 32 / 48KHz: XNF-8010RV/8010RVM)
Audio Communication	Bi-directional (2-way) Pc, Pvc
IP	
Protocol	RTSP, ONVIF (Profile S, G, H, I, J), RTMP (G), RTMP (S, N), HTTP, HTTPS, SSI, TSL, D-CP, P2P, FTP, SFTP, GMP, GMP, S/M-J, W/AS, M/PS, AV, DNS, DNS, DNS, P/MS, M/PS, S/M-J, S/M-J, S/M-J, S/M-J
Security	HTTPS (SSL) login authentication, Digest login authentication
Streaming Method	Unicast / Multicast
Max. User Access	20 users at unicast mode 5 / 50 / 10 / 50 X 2 (or 1ea to 512GB) - Continuous recording (1st slot to 2nd slot) - Motion images recorded in the SD/SDHC/SDXC memory card can be downloaded. - Camera can detect automatically when the memory is connected. - Memory status display (Normal / Error / Active / Formatting / Lock) - NAS (Network Attached Storage), Local PC, for instant recording (Plug-in Viewer only)
Edge Storage	
Application Programming Interface	ONVIF Profile S&G, S/N&P, Wiseris open platform
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Portuguese, Turkish, Polish, Czech, Dutch, Hungarian, Greek
Web Viewer	Supported OS: Windows 7, 8, 10, Mac OS X 10.10, 10.11, 10.12 (Plug-in Free Web viewer) Supported Browser: Google Chrome 60, MS Edge 40, Mozilla Firefox 55 (Window default only), Apple Safari 10 (Mac OS X only) (Plug-in Web viewer) Supported Browser: MS Explorer 11, Apple Safari 10 (Mac OS X only) Smart Viewer: SSM
Central Management Software	
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (-14°F ~ +131°F) / Less than 90% RH (XNF-8010R) -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH (XNF-8010RV/8010RVM)
Storage Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH
Ingress Protection / Vandal Resistance	IP66 / IK10 (XNF-8010RV/8010RVM)
ELECTRICAL	
Input Voltage / Current	12V DC, ±10%, PoE (IEEE 802.3at, Class3)
Power Consumption	Max. 11W (12V DC), Max. 13W (PoE) (XNF-8010R) Max. 12W (12V DC), Max. 12.95W (PoE) (XNF-8010RV/8010RVM)
MECHANICAL	
Color / Material	White / Aluminum
Dimension (WxHxD)	Ø146 x 54.8mm (Ø5.75" x 2.16") (XNF-8010R) Ø146 x 65.8mm (Ø5.75" x 2.59") (XNF-8010RV/8010RVM)
Weight	730g (1.61 lb) (XNF-8010R) / 850g (1.87 lb) (XNF-8010RV/8010RVM)

* The latest product information / specification can be found at hanwa-security.com
* Design and specifications are subject to change without notice.

Accessories (Optional)



QND-7080R

4Megapixel Network IR Dome Camera

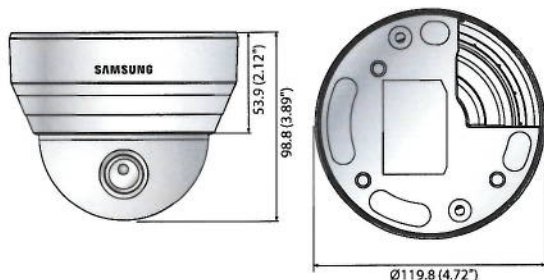


Key Features

- Max. 4M resolution
- 2.8 ~ 12mm (4.3x) motorized varifocal lens
- Max. 20fps@4M, Max.30fps@2M all resolutions
- H.265, H.264, MJPEG codec supported
- Day & Night (ICR), WDR (120dB)
- Motion detection, Tampering, Defocus detection
- micro SD (128GB) memory slot, PoE / 12V DC
- IR viewable length 20m
- Hallway view support
- LDC support (Lens Distortion Correction)

Dimensions

Unit: mm (inch)



Accessories (Optional)



QND-7080R

VIDEO	
Imaging Device	1/3" CMOS
Total Pixels	2,720(H) x 1,536(V)
Effective Pixels	2,688(H) x 1,520(V)
Scanning System	Progressive
Min. Illumination	Color: 0.15 lux (30-IR), 0 lux (IR-LED on)
LENS	
Focal Length (Zoom Ratio)	2.8 ~ 12mm (4.3x) motorized varifocal
Max. Aperture Ratio	F1.4
Angular Field of View	H: 139.7° / V: 26.0° / D: 60.8° / I: 131.3° ~ 30.1°
Focus Control	Simple focus (Motorized W/T) / Manual, Remote control via network
Lens Type	DC auto iris
Mount Type	Board type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0 ~ 350° / 0 ~ 67° / 0 ~ 355°
OPERATIONAL	
IR Viewable Length	20m (65.62')
Camera Title	Off / On (Displayed up to 20 characters per line) - W/W: English / Numeric / Special characters - China: English / Numeric / Special / Chinese characters - Common: Multi-line (Max. 5), Color (Grey / Green / Red / Blue / Black / White), Transparency, Auto scale by resolution
Day & Night	True Day & Night
Backlight Compensation	Off / B. C. / WDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SNR (Off / On)
Motion Detection	Off / On (Area polygonal zones)
Privacy Masking	Off / On (Area rectangular zones)
Gain Control	Off / Low / Middle / High
White Balance	A/W / AWC / Manual / Indoor / Outdoor
LDC (Lens Distortion Correction)	Off / On (5 levels with min / max)
Electronic Shutter Speed	Minimum / Maximum / Anti-flicker
Flip / Mirror	Top / Mirror / Halfway view
Intelligent Video Analytics	Motion detection with metadata, Tampering, Defocus detection
Alarm I/O	Input 1 / Output 1
Alarm Triggers	Motion detection, Tampering detection, SD card error, NAS error, Alarm input, Defocus detection
Alarm Events	File upload via FTP and E-mail, Local storage recording at event, Notification via E-mail, External output
Pixel Counter	Support (Off-on viewer only)
NETWORK	
Ethernet	RJ-45 (10/100/3A5E-T)
Video Compression Format	H.265, H.264, MJPEG
Resolution	2,992 x 1,576, 2,560 x 1,440 (16:9), 2,304 x 1,296, 1,920 x 1,080, 1,280 x 1,024, 1,280 x 960, 1,280 x 720, 1,024 x 768, 800 x 600, 800 x 450, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240, H.265/H.264, Max. 20fps at 4M, Max. 30fps at 2M all resolutions, MJPEG - Max. 15fps
Max. Framerate	WideStream
Smart Codec	H.265/H.264 - Target bitrate level control, MJPEG - Quality level control
Video Quality Adjustment	H.265/H.264 - CR or VBR, MJPEG - VBR
Bitrate Control Method	Multiple streaming (up to 3 profiles)
Streaming Capability	Audio I/O
Audio I/O	Built-in mic
Audio Compression Format	G.711 ulaw / G.726 selectable G.726 (ADPCM) 8k-Hz, G.711 8k-Hz, G.726 - 16Kbps, 24Kbps, 32Kbps, 40Kbps
Audio Communication	On-chip digital audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP, RTP, UDP, RTP, TCP, RTCP, RTP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SFTP, ICMP, GMP, SNMPv1/v2/v3, MIB, B-2, ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
Security	HTTPS/SSL, login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
Streaming Method	Unicast / Multicast
Max. User Access	6 users at unicast mode
Storage	micro SD/SDHC/SDXC (max. 1TB), NAS - Motion images recorded in the SD memory card can be downloaded - Manual recording at local PC
Application Programming Interface	ONVIF Profile S/G, SU-NAP (HTTP API)
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungary, Greek
Web Viewer	Supported OS - Windows 7, 8.1, 10, Mac OS X 10.9, 10.10, 10.11 Plug-in Free Webviewer - Supported Browser - Google Chrome 47, MS Edge 20, Plug-in Webviewer - Supported Browser - MS Explorer 11, Mozilla Firefox 43, Apple Safari 9 * Mac OS X only
Central Management Software	SmartViewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +55°C (-14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	PoE (IEEE802.3af Class3) / 12V DC
Power Consumption	Max. 7.7W (PoE), Max. 6.4W (12V DC)
MECHANICAL	
Color / Material	White / Plastic
Dimensions (WxH)	119.8 x 98.8 (mm) (4.72" x 3.89")
Weight	35.5g (0.78 lb)

* The latest product information / specification can be found at <http://security.hanwhatechwin.com>

MOTOROLA QUOTE



MOTOROLA SOLUTIONS

Date: 5/12/2020

College Station ISD HGAC Quotation

HGAC Contract Number: RA05-18

Prepared By: **Kris Kram** Phone: (979)255-8010

PREPARED FOR: **Missy Broyles**

COMPANY: **College Station ISD - Campus Emergency Radio**

PHONE:

FAX:

Radio Equipment List

Line#	Qty.	Model	Description	Harris County Contract Price	Total
1	24	H51UCF9PW6N	COLLEGE STATION ISD - Emergency Campus Radio	\$	50,476.08
1A	24	QA02756	APX 4000 7/800 MHZ RADIO - Model 2	2,103.17	\$
1B	24	QA01767	ADD: 9600 OR 3600 SINGLE SYSTEM DIGITAL		
1C	24	G996	ADD: LINK LAYER RADIO AUTHENTICATION		
1D	24	H885BK	ENH: OVER THE AIR PROVISIONING (OTAP)		
1E	24	GA00580	ADD: 2 YEAR REPAIR SERVICE ADVANTAGE		
2	1	T7914	ADD: TDMA OPERATION		
2A	28	UA00049AA	Radio Management Software (UA00049AA)	73.00	\$ 2,044.00
3	28	NNTN8128BR	Radio Management License EID	87.75	\$ 2,457.00
4	24	PMPN4174A	ADD: 1900 mAh LI-ION IMPRES BATTERY (SPARE)	57.00	\$ 1,368.00
			ADD: IMPRES SINGLE UNIT CHARGER		
				2,320.92	\$ 56,345.08

*Radio programming will be handled by Brazos County - Caleb Coppinger
*Quoting (4) Additional Radio Management Licenses for (4) Existing APX4000 Portables

TEXAS COMMUNICATIONS QUOTES

1389 N Harvey Mitchell Pkwy
 Bryan TX 77803
 (979) 775-6239 Fax: (000) 000-0000



QUOTATION

QUOTE NO.: 310599 - 00
 DATE: 1/09/20
 TERMS: NET 30
 DELIVERY:
 Please reference Quote No. on
 Correspondence & purchase orders.
 Quote expires: 07/09/2020

B 1075
 TO: College Station ISD
 Attn: Missy Broyles
 1812 Welsh
 College Station, TX 77840

WE ARE PLEASED TO QUOTE YOU THE FOLLOWING:

QTY	DESCRIPTION	UNIT PRICE	DISC%	TOTAL
7	AAH02RDC9VA1 N Xpr 3300E 403-512 Nkp Wifi Cap Able	712.55	25.0	3,740.89
148	AC137U501-MOT-NA Evx-261-G7-5 Uhf 450-512	334.18	25.0	37,093.98
12	HKVN4223A Cp/Cm Analog To Digital Upgrad E	83.00	25.0	747.00
2	AAR10QCGANQ1AN Slr 5700 403-470M 1-50W	3,694.00	25.0	5,541.00
1500	SUB - FCC Subcontracted FCC licensing	1.00		1,500.00
2	HG459U-NF L Com UHF 9dB Omni Ant.	200.00	10.0	360.00
2	633-6A-2N 450-470 Mhz Mobile Duplexer	370.76	10.0	667.37
200	LMR-400 3/8 Lmr400 Coaxial Cable	1.44	10.0	259.20
6	RFN-1006-3I Rfn10063i N, (M), Straight, Lm R-400, 9913, Crimp	9.25	10.0	49.95
Continued on following page				

ORDERS SUBJECT TO SHIPPING & HANDLING AND SALES TAX IF APPLICABLE

TERMS SUBJECT TO CREDIT REVIEW

BY Kris Kram 389

THIS QUOTATION DOES NOT CONSTITUTE A SALES ORDER UNLESS SIGNED BY YOU, OUR CLIENT. SEE TERMS AND CONDITIONS OF SALE ATTACHED.

Accepted

by _____ P.O. No. _____
 LEGAL NAME OF PURCHASER

 AUTHORIZED SIGNATURE Date _____



www.texascom.com



QTY	DESCRIPTION	UNIT PRICE	DISC%	TOTAL
250	MISC - EQUIPMENT Miscellaneous Equipment Includes Jumpers, Grounding, Cinder Blocks, Grommets, Strap	1.00		250.00
2	RS-1215 Tripp Lite - Rackmount 19" Ac Powerstrip 12 Outlets	96.00	10.0	172.80
2	IS-B50LN-C2-MA Polyphaser Arrestor N/M-N/F	69.00	10.0	124.20
2	RM-SM238-60 2-3/8" x 60" Non-Penetrating Roof Mount	353.13	10.0	635.63
4	C10226001 Rubber Mat (1/2"x 18"x 48")	31.83	10.0	114.59
10	RFN-1005-3C Rfn10053c N, (M), Straight, Lm R-195, Rg-58, Crimp	8.75	10.0	78.75
2	RFB-1106-2T Rfb11062t Bnc, (M), Straight, Rg58, Lmr-195, Crimp	11.58	10.0	20.84
50	LMR-195 Double shield Rg58	1.32	10.0	59.40
475	DIR DIR Fees DIR Contract DIR-TSO-4145	1.00		475.00
3	AAH01QDC9JA2 N Cp200d, 403-470 4W Nd	601.67	25.0	1,353.76
	Item summary			53,244.36
	Subtotal			69,685.76
	Discount:			16,441.40
	Freight			.00
	Sales Tax			.00
	GRAND TOTAL:			53,244.36

1389 N Harvey Mitchell Pkwy
 Bryan TX 77803
 (979) 775-6239 Fax: (000) 000-0000



QUOTATION

QUOTE NO.: 310601 - 00
 DATE: 1/09/20
 TERMS: NET 30
 DELIVERY:
 Please reference Quote No. on
 Correspondence & purchase orders.
 Quote expires: 07/09/2020

B 1075
 TO: College Station ISD
 Attn: Missy Broyles
 1812 Welsh
 College Station, TX 77840

WE ARE PLEASED TO QUOTE YOU THE FOLLOWING:

QTY	DESCRIPTION	UNIT PRICE	DISC%	TOTAL
8	BRY LABOR LT Subscriber level labor Labor for 8 new code plugs	100.00	25.0	600.00
64	BRY LABOR LT Subscriber level labor Labor for Reprogramming Digital Subscriber Radios	100.00	25.0	4,800.00
64	BRY LABOR IR Installation level labor	85.00	25.0	4,080.00
12	BRY LOCAL TRAVEL Travel within Bryan/College St ation	30.00	25.0	270.00
12	BRY LABOR MT Infrastructure level labor Labor for programming new and existing repeaters	130.00	25.0	1,170.00
56	BRY LABOR LT Subscriber level labor System Wide Firmware Upgrade - 200 radios & 2 Rpts Continued on following page	100.00	25.0	4,200.00

ORDERS SUBJECT TO SHIPPING & HANDLING AND SALES TAX IF APPLICABLE

TERMS SUBJECT TO CREDIT REVIEW

BY Kris Kram 389

THIS QUOTATION DOES NOT CONSTITUTE A SALES ORDER UNLESS SIGNED BY YOU, OUR CLIENT. SEE TERMS AND CONDITIONS OF SALE ATTACHED.

Accepted by _____ P.O. No. _____
 LEGAL NAME OF PURCHASER

 AUTHORIZED SIGNATURE Date _____



www.texascom.com



QTY	DESCRIPTION	UNIT PRICE	DISC%	TOTAL
125	DIR DIR Fees DIR Contract DIR-TSO-4145	1.00		125.00
		Item summary		15,245.00
		Subtotal		20,285.00
		Discount:		5,040.00
		Sales Tax		.00
		GRAND TOTAL:		15,245.00