Hanwha Vision

Network   Dome

XNV-6012

2M H.265 Mobile Camera

Key Features

• Max. 2Megapixel (1920 x 1080) resolution
• Max. 60fps@all resolutions (H.265 / H.264)
• 0.04Lux@F2.0 (Color), 0.04Lux@F2.0 (B/W)
• Built-in 2.4mm fixed lens
• H.265, H.264, MJPEG codec supported
• Multiple streaming
• Day & Night, WDR (150dB)
• SD/SDHC/SDXC memory slot (Max. 256GB)
• IP66, IK10, NEMA4X
• Hallway view, PoE, LDC support

XNV-6012

2M H.265 Mobile Camera

Specifications

Video

Imaging Device	Size	1/2.8"
	Type	CMOS
Resolution		320x240, 1280x720, 1280x1024, 720x480, 1280x960, 1024x768, 1920x1080, 720x576, 640x360, 640x480, 800x600, 800x448
Max. Framerate	H.265/H.264	60fps/50fps(60Hz/50Hz)
	MJPEG	30fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.04
	BW(1/30sec, 30IRE)	0.04
Video Out		USB: Micro USB Type B

Lens

Focal Length (mm)		2.4
Max Aperture Ratio (F number)	Wide	2.0
Angular Field of View	Horizontal	135.4°
	Vertical	71.2°
	Diagonal	161.6°
Lens Type		Fixed iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	Pan	-5~+5°
	Tilt	0°~67°
	Rotate	-90~+90°

Operational

Day & Night	Auto(Electrical)
Backlight Compensation	SSDR, WDR, BLC, HLC
Wide Dynamic Range (dB)	150
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support
Defog	Support

Operational

Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	32ea
	Shape	Polygonal zones
	Color / Option	Blue, Gray, Black, Mosaic, White, Green, Red
Gain Control		High, Middle, Low
White Balance		Indoor, Manual, ATW, AWC, Outdoor
LDC		Support
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Video Rotation		Hallway view(90°/270°), Flip, Mirror
Alarm Triggers		Network disconnect, Analytics
Alarm Events When Alarm Trigger Occurred		Notification: e-mail, File upload(image): e-mail/FTP, Recording: SD/SDHC/SDXC or NAS recording at event triggers
Audio In		Selectable(mic in/line in), Built-in mic
Audio Out		Line out

Analytics

Analytics Events	Normal	Motion detection, Tampering, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Defocus detection, Digital auto tracking, Virtual line(Crossing, Direction) , Fog detection, Face detection

Network

Ethernet		RJ-45(10/100BASE-T)
Video Compression		H.265/H.264: Main/Baseline/High, MJPEG
Audio Compression		AAC-LC: 48Kbps at 16KHz, G.711 u-law /G.726 selectable, G.726(ADPCM) 8KHz, G.711 8KHz, G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps
Smart Codec		WiseStream II , Manual
Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 20 users
	Multicast	Support
	Multiple Streaming	Up to 10 profiles
Protocol		SSL/TLS, RTP(UDP), PIM-SM, IPv4, HTTPS, FTP, NTP, TCP/IP, ARP, DHCP, RTCP, IPv6, UDP/IP, Bonjour, DDNS, IGMP, HTTP, UPnP, LLDP, RTSP, ICMP, SRTP(TCP, UDP Unicast), DNS, SNMPv1/v2c/v3(MIB-2), RTP(TCP), QoS, SMTP
Application Programming Interface	ONVIF	S, T, G
	Others	Hanwha Vision Open Platform, SUNAPI(HTTP API)

Security

OS / Firmware Protect	Signed firmware, Encrypted firmware, Secure boot
User authentication	Digest authentication

Security

Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
Secure Communication	HTTPS
Access Control	IP-based access control
Data Protect	Encrypt compress for live recording file export, Encryption credentials
Audit	Access / System / Event Log management
Secure Storage	SDcard partition encrypt(AES-256)

General

Memory	RAM	1GB
	Flash	256MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 256GB x 1slot

Environmental & Electrical

Operating Condition	Temperature	-30°C~+55°C(-22°F~+131°F)
	Humidity	0~90% RH(non-condensing)
	Others	Start up should be done at above -20°C
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3)
Power Consumption	PoE	Max. 6.5W

Mechanical

Color	Ivory
Material	Aluminum
Product Dimensions	98.9(W)x52.0(H)x100.0(D)mm(3.88x2.08x3.94")
Product Weight	295g(0.65lb)

Certifications & Standards

Environment	IEC 62262 IK10, IEC 60529 IP66, NEMA 250 type 4X

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide	15.7m(51.67ft)
Observe (63PPM/ 19PPF)	Wide	6.3m(20.67ft)
Recognize (125PPM/ 38PPF)	Wide	3.1m(10.33ft)
Identify (250PPM/ 76PPF)	Wide	1.6m(5.17ft)

XNV-6012

2M H.265 Mobile Camera

CAD

Unit: mm [inch]

This parts should not contain any substances which are specified in AH60-0033K

NO	PART NAME	CODE NO.	MATERIAL	Q'TY	REMARK
1	ASSY-XNV-6012(M)/6022R(M)	058056	MATERIAL	1	REMARK

98.9(3.89")

52(2.04")

Paint area(Black)

100(3.93")

31

85

STANDARD TOLERANCE

DIV	Lvl 1	Lvl 2	Lvl 3	Lvl 4	Lvl 5
0-16	±0.05	±0.1	±0.1	±0.2	±0.3
16-63	±0.05	±0.1	±0.2	±0.3	±0.4
63-250	±0.1	±0.2	±0.3	±0.4	±0.4
250-1000	±0.2	±0.3	±0.4	±0.5	±0.6

A3 CHANGE

UNIT	mm	DESIGN	CHECK	APPROVAL	PART NAME	ASSY-XNV-6012(M)/6022R(M)
		M.Fujiwara	Check	Approval	MODEL NAME	XNV-6012(M)/6022R(M)
SCALE	1/1	18.03.19	18.03.19	18.03.19		

Hanwha Techwin

CODE NO. 058056