





XND-8020F

5M H.265 Dome Camera











Key Features

- Built-in 3.7mm fixed lens
- Max. 30fps@all resolutions (H.265 / H.264)
- WDR (120dB), Defog
- Loitering, Directional detection, Fog detection
- Audio detection, Digital auto tracking, Sound classification
- Heatmap, People counting, Queue management
- Motion detection, Handover, Tampering
- Memory slot (Max. 256GB), PoE
- Hallway View, WiseStreamII Support
- LDC Support (Lens distortion correction)



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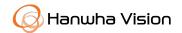


Specifications

Video	
Imaging Device	1/1.8" 6MP CMOS
Resolution	2560x1920, 2560x1440, 2048x1536, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 30fps/25fps(60Hz/50Hz)
Min. Illumination	Color: 0.16Lux(F1.6, 1/30sec) BW: 0.16Lux(F1.6, 1/30sec)
Video Out	USB: Micro USB Type B, 1280x720 for installation
Lens	
Focal Length (Zoom Ratio)	3.7mm fixed focal
Max. Aperture Ratio	F1.6
Angular Field of View	H: 97.5°, V: 71.9°, D: 126.2°
Min. Object Distance	0.4m(1.31ft)
Lens Type	Fixed
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0°~355° / 0°~47° / 0°~353°
Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, HLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNRV
Digital Image Stabilization	Support
Defog	Support
Motion Detection	8ea, 8point polygonal zones
Privacy Masking	32ea, polygonal zones - Color: Grey/Green/Red/Blue/Black/White - Mosaic
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification
Business Intelligence	People counting, Queue management, Heatmap

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.





Alarm Triggers	Analytics, Network disconnect
Alarm events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers
Audio In	Built-in mic
Network	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/Baseline/High, MJPEG
Audio Compression	G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz
Smart Codec	Manual (5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(20 users) / Multicast Multiple streaming(Up to 10 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, PIM-SM, UPnP, Bonjour, LLDP, SRTP
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform
General	
Web Viewer	Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser: Google Chrome Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only)
Edge Storage	Micro SD/SDHC/SDXC 1slot 256GB
Memory	1024MB RAM, 256MB Flash
Environmental & Electrical	
Operating Temperature / Humidity	-10°C~+55°C(14°F ~ +131°F) / Less than 90% RH
Operating Temperature / Humidity Storage Temperature / Humidity	-10°C~+55°C(14°F ~ +131°F) / Less than 90% RH -30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
Storage Temperature / Humidity Input Voltage	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH PoE(IEEE802.3af, Class3)
Storage Temperature / Humidity Input Voltage Power Consumption	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH PoE(IEEE802.3af, Class3)