FLIR **IP**™

N253V8

4K Ultra HD Fixed Vandal Dome

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The FLIR 4K Ultra HD Fixed Vandal Dome IP camera offers exceptional performance with 4K Ultra HD resolution, providing excellent image clarity and an incredible level of detail in recordings. H.265 delivers improved compression efficiency for significant hard drive space savings. The camera also supports edge storage for recording flexibility.

4K HD PICTURE QUALITY
4K Ultra HD (8MP 3840x2160) resolution provides the highest standard in image clarity and detail for evidence collection

• Ultra HD 4K (8MP) @ 15fps, 4MP @ 25fps / 3MP/1080p/720p @ up to 25/30fps

• Wide angle 2.8mm lens provides 100° Field of View

• Long range IR Nightvision up to 100ft/31m

ADVANCED FEATURES
H.265 compression coupled with Region of Interest (ROI) optimizes video performance based on available bandwidth

• Advanced H.265 & Super H.264™ compression technology

• Edge storage support (MicroSD card) – up to 128GB

• 4-Zone Region of Interest

RUGGED, WEATHERPROOF DESIGN
Installation in any outdoor conditions

• Tamper detection

• IP66 weatherproof-rated

• IK10 Vandalproof rating

• -22°F/-30°C Cold Climate capable

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Specifications

Camera	N253V8
Imaging Device	Ultra HD 4K (8MP), 1/2.5"
Effective Pixels	3840(H) × 2160(V)
Image Type	CMOS
Image Readout	Progressive Scan
Day/Night	Auto (ICR) / Color / B/W
Mechanical IR Cut Filter	Yes
Min. Illumination	0.7lux @ F2.0 (Color) 0.2lux @ F2.0 (B/W)
S/N Ratio	≥42dB
Field of View (H)	100°
IR Illumination	100ft/31m, 850nm
IR ON/OFF Control	Yes
Video Output	RJ45
Electronic Shutter Range	1/3(4)s ~ 1/100,000s

Optical	
Lens Type	Fixed
Mount Type	Board Type
Iris Type	Fixed
Iris Control Type	Auto
Focal Length	2.8mm
Aperture	F2.5
Optical Zoom	N/A
Focus	Fixed

Video	
Video Compression	H.265 / Super H.264™ / H.264 / MJPEG
Video Streams	H.265 / H.264 / MJPEG Triple Stream
Resolution Selection	4K (3840×2160) / 6.3MP (3072×2048) / 5.3MP (3072×1728) / 5MP (2592x1944) / 4MP (2688×1520) / 3.7MP (2560x1440) / 3MP (2304x1296) / 1080p (1920×1080) / SXGA (1280x1024) / 1.3MP (1280x960) / 720p (1280×720)
Aspect Ratio	16:9 / 4:3 (select non 4K resolutions)
Frame Rates (Maximum)	4K (8MP) @ 15fps / 4MP/3MP/1080p/720p @ up to 25/30fps
Bit Rate Control	CBR / VBR (w/Cap)
Bit Rate Selection	H.265: 1280K ~ 7424Kbps H.264: 2304K ~ 10240Kbps
Quality Setting Range (default)	1-6 (6)
Region of Interest (Selectable areas)	Yes (4)
Wide Dynamic Range	Digital WDR
Dynamic Range	N/A
Backlight Compensation	BLC / HLC
White Balance	Auto / Manual
Gain Control	Auto / Manual
Noise Reduction	3D Advanced
Smart IR	Yes, User Adjustable
Digital Zoom	Up to 10x
Tamper Detection	Yes
Video Mirroring / Rotation	Horizontal Mirror / 90˚ / 180˚ / 270˚
Video Overlay	Channel / Time / Picture / Custom Text
Window Blanking (Privacy)	Up to 4 Areas
Menu Languages	English

Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour
ONVIF Conformance	ONVIF Profile S / G
RTSP Video	Standard RFC2326, Support QuickTime/VLC Player. User Security Authentication (Enabled/Disabled)
Users	20 Users

Mechanical	
Material	Aluminum Alloy
Product Dimensions (Dia × H)	4.3" D × 3.2" H 110mm D × 81mm H
Product Weight	0.9 lbs / 0.4 kg

Electrical	N253V8
Network Port	RJ45 (10/100 Base-T)
Analog Video Out (service only)	N/A
Power Input	12V DC
Power over Ethernet Type	PoE (802.3af)
Power Consumption (maximum)	5.0W
Current Consumption (maximum)	410mA

Additional Features	
Edge Storage	Yes / microSD Type (128GB max.)
Built-in Heater	No
Audio I/O	1 Input / 1 Output
Encoding	G.711a / G.711u / AAC
Alarm I/O	1 Input / 1 Output

Environmental	
Storage Temperature	-22°F ~ +140°F / -30°C ~ +60°C
Storage Humidity	Less than 95% RH
Operating Temperature	-22°F ~ +140°F / -30°C ~ +60°C
Operating Humidity	Less than 95% RH
Cold Start Temperature	-22°F / -30°C
Ingress Protection	IP66 Rated
Vandal Resistance	IK10

Certifications	
Certifications	CE / FCC

IP66 WEATHERPROOF / IK10 VANDALPROOF

100ft/31m IR NIGHT VISION

2.8mm WIDE ANGLE LENS

Dimensions

4.3" 110mm

3.2" 81mm
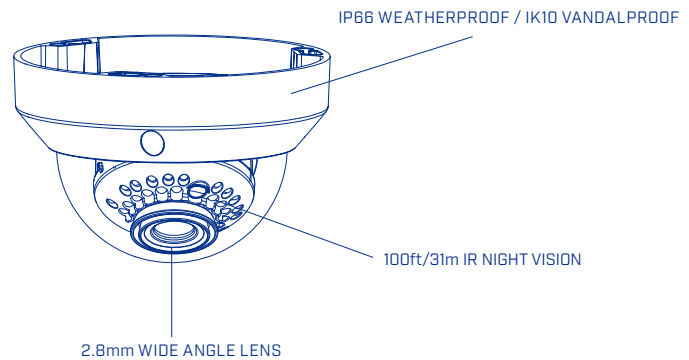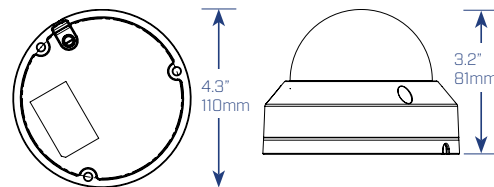
Available Accessories:

N253V8
Junction Box — S4JF2G
Wall Mount — S1WA2G
Pole Mount — S4PA2G + S1WA2G or S1PA2G + S4JF2G
Corner Mount — S1RA2G + S4JF2G

Ordering Information

N253V8: 8-41430-01801-8

Package Dimensions

5.4" W × 5.4" D × 4.5" H
138mm W × 138mm D × 114mm H

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