

# 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*

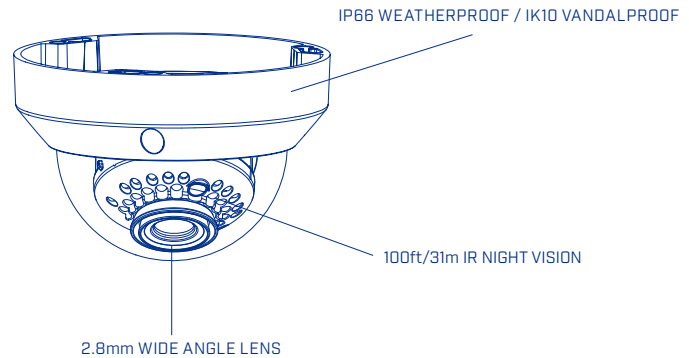
- Tamper detection
- IP66 weatherproof-rated
- IK10 Vandalproof rating
- -22°F/-30°C Cold Climate capable



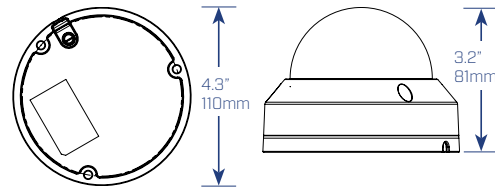
# Specifications

Camera		N253V8	
Imaging Device		Ultra HD 4K (8MP), 1/2.5"	
Effective Pixels		3840(H) x 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 (3840x2160) / 6.3MP (3072x2048) / 5.3MP (3072x1728) / 5MP (2592x1944) / 4MP (2688x1520) / 3.7MP (2560x1440) / 3MP (2304x1296) / 1080p (1920x1080) / SXGA (1280x1024) / 1.3MP (1280x960) / 720p (1280x720)	
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 x H)		4.3" D x 3.2" H 110mm D x 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	



## Dimensions



## Available Accessories:

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

## Ordering Information

N253V8: 8-41430-01801-8

## Package Dimensions

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