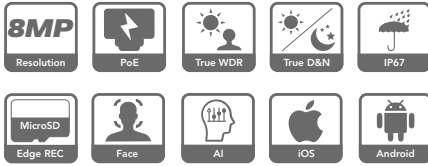


AVC-BNN81FT/28
8MP H.265 HD AI BULLET NETWORK CAMERA



8MP H.265 HD AI BULLET NETWORK CAMERA

8MP H.265 HD AI BULLET NETWORK CAMERA WITH SMART FEATURES

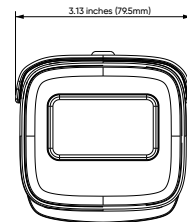
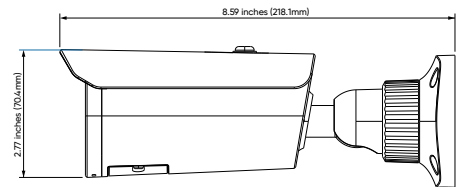
The AVYCON AVC-BNN81FT/2.8 camera is an 8MP H.265 HD AI Bullet Network Camera with Smart Features. This 8MP IP camera supports True Day and Night mode, PoE, and up to 164 ft. of IR night view distance. This camera includes a Fixed 2.8mm Lens with Auto-focus capabilities that can be controlled through a DVR. The AVC- BNN81FT/2.8 features a Audio Input, a built-in microSD slot (256GB max capacity), and is ONVIF compliant. Also standard with this series is 3D Digital NR, ROI, HLC, True WDR, and BLC capabilities along with IP67 outdoor rating. Optional accessories for this camera include a Junction Box Mount, a Pole Mount Bracket, and a Corner Mount Bracket.

FUNCTIONS

- 8MP (3840 x 2160) @30fps
- Max. Resolution: 3840 x 2160
- Supports Smart H.265/H.265 Encoding
- True Day & Night ICR
- Up to 164 ft. IR Illumination
- Fixed 2.8mm Lens
- 3D DNR, True WDR, HLC, BLC and ROI Encoding
- Supports Triple Streams
- Supports 1 CH. Audio Input
- Optional P2P function
- Supports Remote Access with Windows, macOS, iOS and Android
- IP67 Ingress Protection
- Operating Temperature: -22°F - 140°F(-30°- 60° C)
- DC12V / PoE (802.3af)
- NDA A Compliant

DIMENSIONS

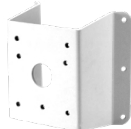
Unit : inch (mm)



OPTIONAL ACCESSORIES



AVM-BDMT-W-TL1



AVM-P-CMT



AVM-P-PMT



AVYCON[®]

AVC-BNN81FT/28

8MP H.265 HD AI BULLET NETWORK CAMERA

SPECIFICATIONS

CAMERA											
Image Sensor	1 / 2.8" Progressive Scan CMOS										
Image Size	3840 x 2160										
Shutter Speed	1/3s to 1/100,000s										
Iris Type	Fixed Iris										
Min. Illumination	Color: 0.02 lux @ F1.6 (AGC ON); BW: 0 lux with IR										
IR Distance	Up to 164ft										
Lens	Fixed 2.8 @ F1.6 Horizontal FoV: 104° Vertical FoV: 55° Diagonal FoV: 125°										
Focus	Fixed										
Lens Mount	M12										
Day & Night	ICR										
Wide Dynamic Range	120dB										
Digital NR	3D DNR										
Backlight Compensation (BLC)	Yes										
Highlight Compensation (HLC)	Yes										
Defog	Yes										
S/N Ratio	≥50dB										
EIS	Yes										
Angle Adjustment	Pan: 0°~360° ; Tilt: 0°~90° ; Rotation:0°~360°										
VIDEO IMAGE											
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub/third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG										
H.264 Compression Standard	Baseline Profile / Main Profile / High Profile										
Resolution	8MP (3840 × 2160), 6MP (3072 × 2048), 5MP (2592 × 1944), 4MP (2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240, VGA (640 × 480)										
Main Stream	60Hz: 8MP/6MP/5MP/4MP/2K/3MP/1080P/720P (1~30fps); 50Hz: 8MP/6MP/5MP/4MP/2K/3MP/1080P/720P (1~25fps); HFR mode: 1080P/720P (60Hz: 1~60fps / 50Hz: 1~50fps)										
Sub Stream	60Hz: 720P/D1/CIF/VGA/480x240 (1~30fps); 50Hz: 720P/D1/CIF/VGA/480x240 (1~25fps)										
Third Stream	60Hz: 720P/D1/480x240/CIF (1~30fps); 50Hz: 720P/D1/480x240/CIF (1~25fps)										
Video Bit Rate	64 Kbps ~ 12 Mbps (CBR / VBR Adjustable)										
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser										
ROI	Each ROI to be configured separately										
NETWORK / INTERFACE											
Network	1 x RJ45 10M / 100M Self-Adaptive Ethernet port										
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPs, QoS										
Interface Protocol	ONVIF (Profile S, G, T, M)										
Web Browser	IE 11 (Plug-in required) / Google Chrome 89.0+ / Edge 89.0+ / Firefox 87.0+ / Safari 14.0+										
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission										
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP										
Storage	Network remote storage; micro SD card storage (up to 256GB)										
Video Output	No										
Audio	1CH audio input										
Audio Compression	G711A / U										
Alarm	No										
Hardware Reset	Yes										
DORI DISTANCE											
	<table border="1"> <thead> <tr> <th>Lens</th> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> </thead> <tbody> <tr> <td>2.8mm</td> <td>272ft (83m)</td> <td>108ft (33m)</td> <td>56ft (17m)</td> <td>26ft (8m)</td> </tr> </tbody> </table>	Lens	Detect	Observe	Recognize	Identify	2.8mm	272ft (83m)	108ft (33m)	56ft (17m)	26ft (8m)
Lens	Detect	Observe	Recognize	Identify							
2.8mm	272ft (83m)	108ft (33m)	56ft (17m)	26ft (8m)							
FUNCTIONS											
Remote Monitoring	Web Browser Interface, Mobile App, AVYCON CVMS 2.0										
Smart Alarm	Motion detection, SD card error, SD card full, IP address conflict, cable disconnection										
Smart Analytics	Line crossing, region intrusion/entrance/exiting, loitering detection, illegal parking detection, abandoned/missing object detection, Target counting by line/intrusion area/heat map, exception detection, face detection and face capture										
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature										
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern										
GENERAL											
Power Supply	DC12V / PoE (IEEE802.3af)										
Power Consumption	<9W										
Operating Environment	-22°F ~ 140°F (-30°C ~ 60°C) Humidity: less than 95% (non-condensing)										
Storage Environment	-22°F ~ 149°F (-30°C ~ 65°C) Humidity: less than 95% (non-condensing)										
Dimensions (in)	8.57 x 3.17 x 3.16										
Weight (lb)	Approx. 1.49 lbs										
Ingress Protection	IP67										
Certification	CE, FCC										
Installation	Ceiling mounting; Wall mounting										
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH (EC1907/2006)										



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phone: 949-752-7606

email: info@avycon.com

social: @avycon_aivo

website: avycon.com