

MODEL #

D2FDA28IP12MP-AI



MINI DOME NETWORK CAMERA

Onvif® | GMS1 | NDAA Compliant | AI



12MP
RESOLUTION



12MP
Resolution

2.8MM
Lens



IR Up to
20M

Built-in
Microphone



AI
Detection

IK10 Impact
Resistant



IP67
Waterproof
& Dust-tight

Micro SD Card
Slot up to 1TB

Experience exceptional image quality with the **D2FDA28IP12MP-AI** Mini Dome Network Camera. Equipped with a 12MP progressive CMOS sensor, a bright F1.6 2.8mm fixed lens, and a built-in microphone, it delivers ultra-clear video in a compact design. Advanced AI analytics include face recognition, vehicle and pedestrian detection, line crossing, intrusion detection, queue management, heat mapping, license plate recognition, and more. Featuring DWDR, 3D DNR, IP67 weather protection, and infrared night vision up to 20 meters, this camera provides reliable surveillance for demanding indoor and outdoor environments.





MINI DOME NETWORK CAMERA

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VIDEO

Imaging Device	1/2.49"
Effective Pixels	12MP 4512(H) × 2512(V)
Scanning System	Progressive CMOS
Min. Illumination	Color 0.01 lux @ F1.6 (AGC ON) B/W 0 lux (IR ON)

LENS TYPE

Focal Length (Zoom Ratio)	2.8 mm
Max. Aperture Ratio	F No. 1.6
Angular Field of View	Horizontal 98° Vertical 53° Diagonal 113°
Min. Object Distance	1m
Lens Type	Fixed M12

OPERATIONAL

IR viewable length	Up to 20m
Day & Night	IR Cut Filter with Auto Switch (Day/Night/Auto/Image/Schedule)
Backlight Compensation	DWDR
Wide dynamic range	DWDR
Digital Noise Reduction	3D DNR
Motion Detection	Off/On (8 Level)
Privacy Masking	Off/On (4 Zone, Rectangle)
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
On-board Storage	Micro SD slot, up to 1TB
Alarm	N/A
Audio	Built-in Microphone
Hardware Reset	Yes
Smart Features	Face Recognition Pedestrian & Vehicle Detection Line Crossing Object Detection Crossing Counting Heat Map Crowd Density Queue Length

NETWORK

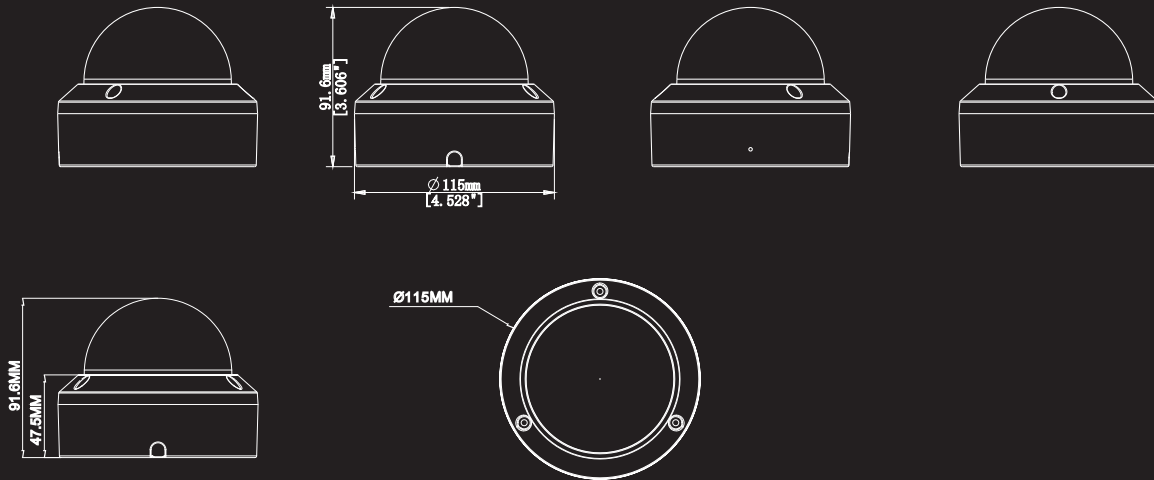
Ethernet	RJ45(10/100BASE-T)
Video Compression Format	H.265 / H.264 / H.265+ / H.264+ / MJPEG
Resolution	Main Stream: 12MP (4512×2512),8MP (3840×2160),5MP (2592×1944),3072×1728,4MP (2592×1520), 3MP (2304×1296),1080P (1920×1080) Substream @30fps: 1080P,720P,VGA,QVGA Mobile Stream @30fps VGA, QVGA
Video Quality Adjustment	256Kbps ~ 16Mbps
Bitrate Control Method	CBR/VBR
IP	IPv6
Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
App Programming Interface	ONVIF(Profile S/G/T)
Compatible Web Browsers	IE10/11 Safari v12.1+ Firefox v52+ Chrome v57+ Edge v79+

GENERAL

Operating Conditions	-35°C ~ +60°C Less than 90% RH
Ingress Protection	IP67
Protection Rating	IK10
Input Voltage/ Current	DC12V / PoE (IEEE802.3af)
Material	Metal



DIMENSIONS



COMPATIBLE ACCESSORIES

CEILING MOUNT SOLUTION



CORNER MOUNT SOLUTION



POLE MOUNT SOLUTION



WALL MOUNT SOLUTION



JUNCTION BOX



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