IDIS One Solution. One Company.

DC-D6631WRA

H.265 6MP AI IR Dome Camera (Edge AI Plus & Lightmaster NIR)

NDAA & TAA Compliant



6MP OUTDOOR DOME CAMERA WITH AI ANALYTICS AND HIGH-LEVEL SECURITY

The DC-D6631WRA features a 1/1.8" CMOS sensor delivering 6MP (3328x1872) resolution, with a motorized vari-focal lens and P-Iris technology for optimized image clarity and depth of field. Equipped with deep learning-based IDLA and IDLA Pro engines, it provides advanced video analytics including object classification, metadata extraction, crowd detection, and fall detection. The device ensures high-level data integrity by meeting FIPS 140-3 Level 3 security standards. With IP67, IK10, and NEMA4X ratings, it maintains reliable operation in harsh outdoor conditions. This camera is ideal for critical infrastructure, smart cities, and large-scale industrial sites requiring precise intelligent monitoring and robust security.

KEY FEATURES

- IDIS Edge AI Plus Camera
- Lightmaster NIR
- Easy installation with DirectIP NVR
- H.265 and Intelligent Codec
- Remote Motorized Focus and Zoom
- 12V DC, PoE (IEEE 802.3af Class 3)
- IR LED (Distance: 60m / 196.9ft)
- IDIS Deep-Learning Analytics (IDLA), IDIS Deep-Learning Analytics Pro (IDLA Pro)
- Attribute Support(Human, Vehicle, Face), A-cut Support
- IK10
- IP67
- Smart Failover (Up to 512GB)
- Supports ONVIF
- True WDR
- Alarm in / out

DC-D6631WRA | Datasheet

VIDEO

Image Sensor	1/1.8" CMOS
Max. Resolution	2228 x 1672
Scanning Mode	Progressive Scan
Lens Type	Motorized Vari-focal
Focal Length	4.3 ~ 9.8mm
Aperture	F1.6 ~ F2.6
Iris Control	P-Iris
Angular Field of View	Wide : 110.4°(H) 57.8°(V) 133.8°(D) Tele : 45.0°(H) 25.2°(V) 51.8(D)
Min. Illumination	COLOR : 0.13 lux @ F1.6 B/W : 0 lux (IR LED ON)
Dynamic Range	120dB (True WDR)
Electronic Shutter Speed	Auto / Manual (1/30 ~ 1/10,000), Anti-Flicker, Slow Shutter (1/7.5, 1/15)
Day and Night	Yes (ICR)
IR Distance (LEDs)	60m / 196.9ft (6ea)
Image Setting	Exposure, White Balance, Self-Adjusting Video Mode(Sharpness, Contrast, Colors, Brightness Control)
Backlight Compensation	BLC
Mirroring / Pivot	Horizontal / Vertical / Pivot
Image Stabilizer	Yes (EIS)
De-fog	Yes
Privacy Masking	8 Zones
Intelligent Video	A-cut Support Object Metadata: Human, Vehicle, Face Object Attribute: Human[Gender, Age, Bag, Hat, Colors], Vehicle[Car, Truck, Bus, Bike(Bicycle, Motorcycle), ETC, Colors], Face[Gender, Age, Glasses, Hat, Mask] IDLA Object Detection, Intrusion, Loitering, Line Crossing, Face Detection IDLA Pro: Crowd Detection, Abandoned Object Detection, Removed Object Detection, Fall Detection Basic: Video Motion Detection, Active Tampering Alarm
Video Out	1 CVBS

PAN/TILT/ROTATE

Pan Range	-180° ~ 180°
Tilt Range	-45° ~ 80°
Rotate Range	-143° ~ 203°

NETWORK

Video Compression	H.265, H.264 (MP), M-JPEG

Intelligent Codec	Yes
Bitrate Control	H.265 - CBR / VBR, H.264 - CBR / VBR
Audio Compression	Opus 16K/24K/48K, ADPCM 16K, G.726, G.711 a-Law/u-Law
Two-way Audio	Yes
IP Camera Protocol	DirectIP 2.0, ONVIF Profile S/T/M
Max. Frame Rate	30ips : 3328 x 1872(WDR)
Supported Resolution	3328 x 1872, 1920 x 1080, 1280 x 720, 640 x 360
Multi-video Streaming	Quadruple Streaming
Network Protocols	DirectIP 2.0 Protocol, IPv4, IPv6, RTP/RTSP/TCP, RTP/RTSP/HTTP/TCP, RTP/UDP RTSP/TCP, HTTP, HTTPS, FTP, SNTP, SMTP, FEN, mDNS, uPNP, SNMPv2
Security	FIPS 140-3 Level 3, Digest authentication, Password Protection, Brute force delay protection, User access log, IP Filtering, IEEE802.1x(EAP-TLS), Chained Fingerprint, SSL Encryption, HTTPS Encryption
Ethernet	RJ45 (10/100BASE-T)
Recording Session Buffer (NLTSrec)	Yes (Up to 60MB)
Edge Storage	micro SD/SDHC/SDXC, Smart Failover (Up to 512GB)

ALARM AND EVENT

Trigger Event	Motion Detection, Alarm in, Audio detection, Tampering, Object Detection, Intrusion, Loitering, Line Crossing, Face Detection, Crowd detection, Abandoned object detection, Removed object detection, Fall detection
Event Notification	Remote S/W, Email (with image)
Audio Alarm	Yes
Audio In / Out	1 / 1
Alarm In / Out	1 / 1

ENVIRONMENTAL

Vandal Proof Casing	IK10
Outdoor Ready	IP67, NEMA4X
Operating Temperature	-40°C ~ +55°C (-40°F ~ +131°F) *Starting up at above -20°C (-4°F)
Operating Humidity	0% ~ 90%

ELECTRICAL

Power Source	12VDC, PoE, IEEE 802.3af(Class 3)
Power Consumption	12VDC, 1.1A, 13.2W PoE, IEEE 802.3af(Class3), 57VDC, 12W
Approval	UL, FCC, CE, KC

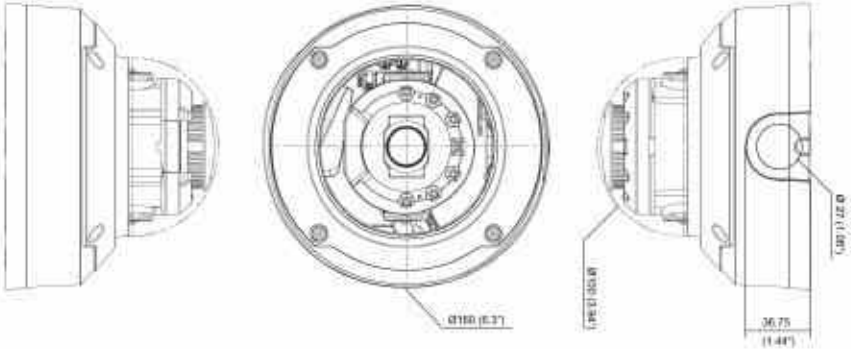
MECHANICAL

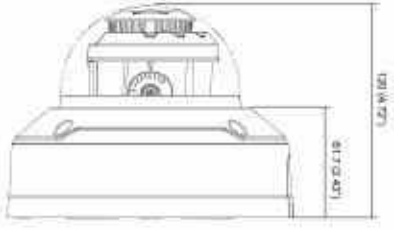
Dimensions	Ø160mm x 120mm(Ø6.3" x 4.72")
Weight	1.1kg (2.4lb)

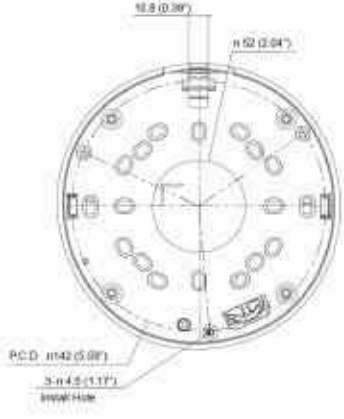
DORI

Detect (25PPM)	46.3m ~ 160.7m (151.9ft ~ 527.2ft)
Observe (63PPM)	18.4m ~ 63.8m (60.3ft ~ 209.3ft)
Recognize (125PPM)	9.3m ~ 32.1m (30.1ft ~ 105.3ft)
Identify (250PPM)	4.6m ~ 16.1m (15ft ~ 52.8ft)

DIMENSIONS


Ø159 (6.3")
36.75
(1.44")




12.8 (0.39")
n 52 (2.04")
P.C.D n142 (5.59")
3-n 4.5 (1.17")

DC-D6631WRA | Compatible Accessories

ENVIRONMENT	CONFIGURATION
Wall	**Mount Adapter** DA-MA2100 +  **Wall Mount** DA-WM2050
Ceiling	**Mount Adapter** DA-MA2100 + **Ceiling Mount** DA-CM2050 OR **Mount Adapter** DA-MA2100 +  **Ceiling Mount** DA-CM2100 OR  **Flush Mount** DA-FM1510
Pole	**Mount Adapter** DA-MA2100 +  **Wall Mount** DA-WM2050 +  **Pole Mount** DA-LM2000

ENVIRONMENT	CONFIGURATION
Corner	**Mount Adapter** DA-MA2100 +  **Wall Mount** DA-WM2050 +  **Corner Mount** DA-RM2000
Etc	**Dome Sun-shield** DA-SS1200