

DC-S6682WR

6MP IR PTZ Camera (LightMaster NIR)

NDAA & TAA Compliant



6MP 31X OPTICAL ZOOM PTZ CAMERA FOR LONG-RANGE PRECISION SURVEILLANCE

The DC-S6682WR features a 1/1.8" CMOS sensor delivering 6MP (3328x1872) high-resolution video, combined with a 31x optical zoom and 300m IR range for clear identification of distant objects day and night. Equipped with 120dB True WDR, Electronic Image Stabilization (EIS), and De-fog technology, it ensures consistent visibility under challenging conditions such as backlighting, vibration, or adverse weather. It supports seamless integration via DirectIP 2.0 and efficient bandwidth management through H.265 and Intelligent Codec, while Smart Failover prevents data loss during network interruptions. With IP66, IK10 ratings, and a built-in heater, the camera operates reliably in temperatures as low as -40°C, making it ideal for large-scale surveillance in airports, seaports, perimeters, and industrial complexes.

KEY FEATURES

- Easy installation with DirectIP NVR
- AF optical zoom lens (f=6.5 - 202mm), 31x zoom
- Built-in 300m Long range IR Illuminator
- 6MP (3328 x 1872) resolution

DC-S6682WR | Datasheet

VIDEO

Image Sensor	1/1.8" CMOS
Max. Resolution	3328 x 1872
Scanning Mode	Progressive Scan
Lens Type	AF Zoom Lens
Focal Length	6.91 ~ 214.64mm
Aperture	F1.36 ~ F4.6
Iris Control	P-Iris
Angular Field of View	Wide : 61.8°(H), 36.3°(V), 70.3°(D) Tele : 2.3°(H), 1.3°(V), 2.6°(D)
Min. Illumination	Color : 0.13 lux @ F1.36 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)	300 m/984.3ft (2ea)
Image Setting	Exposure, White Balance, Self-Adjusting Video Mode(Sharpness, Contrast, Colors, Brightness Control)
Backlight Compensation	-
Mirroring / Pivot	Horizontal / Vertical
Image Stabilizer	Yes (EIS)
De-fog	Yes
Privacy Masking	8 Zones
Intelligent Video	Video Motion Detection, Active Tampering Alarm, Trip Zone
Video Out	1 Terminal Block

PAN/TILT/ROTATE

Pan Range	360° (Endless)
Pan Speed	0.02~240°/sec (preset 240°/sec)
Tilt Range	200° (-10~190°)
Tilt Speed	0.02~240°/sec (preset 240°/sec)
Preset	256ea

NETWORK

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

Bitrate Control	H.264 - CBR / VBR, H.265 - CBR / VBR
Audio Compression	ADPCM 16K, G.726, G.711 u-Law, G.711 a-Law
Two-way Audio	Yes
IP Camera Protocol	DirectIP 2.0, ONVIF Profile S/T
Max. Frame Rate	30ips : 3328 x 1872(WDR)
Supported Resolution	3328 x 1872, 1920x1080, 1280x720, 640x360
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, SNMP, SMTP, FEN, mDNS, uPNP, SNMPv2
Security	Digest authentication, Password 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, Trip Zone, System Status
Event Notification	Remote S/W, Email (with Image)
Audio Alarm	Yes
Audio In / Out	1 / 1
Alarm In / Out	8 / 2

ENVIRONMENTAL

Vandal Proof Casing	IK10
Outdoor Ready	IP66, Heater
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	24VAC, PoE (IEEE 802.3bt, Class 8)
Power Consumption	HEATER, IR LED OFF 24VAC, 1.6A, 28.0W, 50/60Hz PoE, IEEE 802.3bt(Class 8), 28.4W HEATER, IR LED ON 24VAC, 2.8A, 52.9W, 50/60Hz PoE, IEEE 802.3bt(Class 8), 53.1W
Approval	FCC, CE, KC

MECHANICAL

Dimensions	Ø242mm x 401.8mm (Ø9.52" x 15.82")
Weight	7.4kg (16.31 lbs)

DIMENSIONS

(Unit - mm)



DC-S6682WR | Compatible Accessories

ENVIRONMENT	CONFIGURATION
Wall	 Wall Mount DA-WM1400
Ceiling	 Ceiling Mount DA-CM1300 OR  Ceiling Mount DA-CM1500
Pole	 Wall Mount DA-WM1400 +  Pole Mount DA-LM1100
Corner	 Wall Mount DA-WM1400 +  Corner Mount DA-RM1100

ENVIRONMENT

CONFIGURATION

Etc



Single Port High-PoE Injector
DA-PI PoE400