

DC-S6281FX

2MP 30X PTZ Camera (WDR, Flush)

NDAA & TAA Compliant



PRECISION MONITORING SOLUTION WITH 30X OPTICAL ZOOM AND HIGH-SPEED PTZ CONTROL

The DC-S6281FX features a 1/2.8" CMOS sensor delivering Full HD resolution, combined with a 30x optical zoom lens for clear identification of distant objects. It maintains image quality in challenging lighting with 120dB True WDR and ensures comprehensive coverage through high-speed PTZ operation at up to 420°/sec. The integration of H.265 and Intelligent Codec optimizes bandwidth efficiency, while Smart Failover technology prevents data loss during network interruptions. This camera is ideal for large-scale indoor environments such as commercial complexes and logistics centers requiring wide-area surveillance.

KEY FEATURES

- Easy installation with DirectIP NVR
- 2MP (1920x1080) resolution
- AF optical zoom lens (f=5.2 - 156mm), 30x zoom
- Two-way audio
- Alarm in / out
- PoE IEEE 802.3at (Class 4)
- Day and night (ICR)
- True wide dynamic range (WDR)
- Image Stabilizer (EIS)
- Supports ONVIF

DC-S6281FX | Datasheet

VIDEO

Image Sensor	1/2.8" CMOS
Max. Resolution	1920 x 1080
Scanning Mode	Progressive Scan
Lens Type	AF Zoom Lens
Focal Length	5.2 ~ 156mm
Aperture	F1.33 ~ F4.95
Iris Control	DC Iris (Hall Sensor)
Angular Field of View	Wide : 58.9°(H), 34.4°(V), 66.3°(D) Tele : 2.7°(H), 1.5°(V), 3.1°(D)
Min. Illumination	Color : 0.1 lux @ F1.33 B/W : 0.01 lux @ F1.33
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)	-
Image Setting	Exposure, White Balance, Self-Adjusting Video Mode(Sharpness, Contrast, Colors, Brightness Control)
Backlight Compensation	BLC
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	-

PAN/TILT/ROTATE

Pan Range	360° (Endless)
Pan Speed	0.02~180°/sec (preset 420°/sec)
Tilt Range	100° (-10~90°)
Tilt Speed	0.02~180°/sec (preset 420°/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: 1920 x 1080(WDR)
Supported Resolution	1920x1080, 1280x720, 640x360, 352x240
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
Event Notification	Remote S/W, Email (with Image)
Audio Alarm	Yes
Audio In / Out	1 / 1
Alarm In / Out	4 / 2

ENVIRONMENTAL

Vandal Proof Casing	-
Outdoor Ready	-
Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F) *Starting up at above 0°C (32°F)
Operating Humidity	0% ~ 90%

ELECTRICAL

Power Source	24VAC, PoE IEEE 802.3at (Class 4)
Power Consumption	24V~, 0.8A, 13.8W, 50/60Hz PoE, IEEE 802.3at(Class 4), 13.6W
Approval	FCC, CE(50130-4), KC

MECHANICAL

Dimensions	Ø226.5mm x 203.5mm (Ø8.92" x 8.01")
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Weight

1.82 kg (4.01 lb)

DIMENSIONS

(Unit - mm)

