

# DNZ1880YM2

## 2MP, 30x D/N Explosion Proof IR PTZ Positioning System NDAA/Analytics



### DESCRIPTION

DNZ1880YM2 are 1/2.8" 2MP Day/Night, 30X optical and 16 x digital zoom, **NDAA Compliant**, Network-ready, Explosion proof, IR integrated Camera Positioning Systems that represent state-of-the-art, rugged design, surveillance technology. Units are designed with quality Encoder H.264 / H.265 / MJPEG video compression and triple stream outputs at 25/30fps @ 2MP(1080p); feature pan-tilt with receiver/driver, true WDR(120dB, analytics (IVS) with tripwire trigger tracking and IR Illuminator for 100-150m night vision; optional wash tank. Included are 300 presets, Audio in/out, Auto Tracking, 7 Alarms in/2 out, RS-485, EIS, DEFOG, OSD with WB, AGC, BLC, 3DNR, 5 Auto Scan, 8 Tours; SS316L housing construction and IP68 rating. With 24VAC or 24VDC, 100-240VAC, Web and Client Software, Smart Phone interface, the Network DNZ1880YM2 Series Explosion Proof IR PTZ Systems are designed to meet demanding commercial, industrial and environmental IP video surveillance installations.



### FEATURES

- \* Network 2MP, Explosion Proof IR PTZ System
- \* 1/2.8" CMOS Progressive Scan Sensor, WDR
- \* H.264/H.265/MJPEG; triple Stream Encoder
- \* Illumination Color 0.005Lux/0.0005Lux BW
- \* 10/100 Mbps, RJ-45 Port Ethernet Port
- \* 360° Continuous Pan; -90° to +90° Tilt
- \* Hardened Glass Material in Camera Housing
- \* Features LED IR Illuminator/100m Nigh Vision
- \* Analytics with Tripwire Tracking, Perimeter Protection, Missing or Abandoned Objects
- \* 300 Presets, 5 Scan, 8 Tours; 7 Alarms in/2 out
- \* Audio In/Output, RS-485 Data, BNC Ports
- \* Smart Phone - iPhone, iPad and Android
- \* Web and Client Software; 10 Access Users
- \* Sunshield, Blower, Heater and Wiper
- \* Stainless Steel 316L Construction Materials
- \* 24VAC, 24VDC, 100-240VAV Input Voltage
- \* Corrosion Resistant, Marine Housing, IP68
- \* Comply: CE, ONVIF, ATEX, IECExdIICT6, **NDAA**

### APPLICATIONS

- \* Homeland Security
- \* Correctional Centers
- \* Petrochemical Industry
- \* Marine Environments
- \* Government and Military
- \* Power Generating Plants

### ORDERING INFORMATION

- DNZ1880YM23A3 Network 2MP Explosion Proof IR PTZ 30X, LED 100m, NTSC, IP68, 24VAC  
 DNZ1880YM23A3A Network 2MP Explosion Proof IR PTZ 30X, LED 100m, NTSC, IP68, 24VDC  
 DNZ1880YM23B5 Network 2MP Explosion Proof IR PTZ 30X, LED 100m, PAL, IP68, 100-240VDC  
 3=24VAC, 3A=24VDC, 5=100-240VAC  
 DZ6705-5382 Explosion Proof Junction Box; DZ6500 Water Wash Tank



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### Video Specifications

Video Output: NTC/PAL  
Ethernet Port: 10/100Mbps RJ-45

### Data Specifications

Receiver/Driver: Built-in with PTZ protocol  
Data Interfaces: RS-422/RS-485  
Baud Rate: 2400  
PTZ Protocols: Pelco D

### General Parameters

Optical/Digital zoom: 30x /16x  
Programmable Presets: 300 ±0.1° accuracy  
Tours/Scans: 8 / 5  
Alarm Inputs/Outputs: 7 in; 2 out

### Electrical Parameters

Voltage/Consumption: 24VAC, 24VDC; 75W w/heater  
Wiper/LED Control: via Client Software  
IR Distance: LED 100-150m

### Mechanical Parameters

Construction: Stainless Steel 316L grade  
Manual Pan Speed: 0°~40° /sec  
Manual Tilt Speed: 0°~40° /sec  
Minimum P/T speed: 0.1° at full zoom  
Rotation travel: Pan 360° continuous  
Tilt Travel: -90° ~ +90°  
Fan and heater: auto-start heater at < -1°C  
Dimensions L x D x W: 11.5"(292mm), 17.4"(443mm)  
19.7"(500mm)

Weight (Net/Gross): 56lbs(25Kg) / 72lbs(32Kg)

### Environmental Parameters

Operating Temperature: -40°F ~ +140°F (-40°C ~ +60°C)  
Storage Temperature: -40°F ~ +176°F (-40°C ~ +80°C)  
Humidity: 0~95% (Non-condensing)

### Regulatory Compliance

ATEX, IEC ExdIICT6; Marine Design

Housing, ONVIF, IP68, **NDAA**

Camera Parameters	DNZ1880YM23			
Image Sensor	1/2.8" SONY STARVIS Progressive scan CMOS			
Effective Pixels	2M (1920 x 1080)			
Output Pixels:	1920(H)x1080(V)			
FPS:	25/30 @1080P / 720P / D1(704x576,704x480), CIF			
Min. Illum. F1.6, 50 IRE:	Color 0.005Lux/F1.5/0.000.5Lux/F1.5BW/0Lux/IR ON			
Frame Rate:	1080P/720P(1~30fps); D1(1~30fps)			
Optical / Digital Zoom:	30X (F=4.7mm~141mm) 16x			
View Angle: Wide x Tele	H=61.2°(W)~2.2°(T); V=36.8°(W)~1.2°(T)			
F-value:	F 1.5(wide) – F4.0(telephoto)			
Focus:	Auto/Manual (Far/Near)			
Close Focus Distance:	0.1m ~ 1.5m (Wide ~ Tele)			
IR Cut Filter Removable:	Auto(ICR) / Color / B/W			
Electronic Shutter:	1/1~1/30,000s(NTSC); 1/1~1/10,000s(PAL)			
Wide Dynamic Range:	True WDR 120dB			
Privacy Masking:	ON/OFF (up to 24 areas)			
Noise Reduction/OSD:	2D / 3D; BLC / HLC / WDR, WB=Auto/ATW/Indoor/Outdoor/Manual			
DORI Distance:	<b>DETECT</b>	<b>OBSERVE</b>	<b>RECOGNIZE</b>	<b>IDENTIFY</b>
HUMAN:	<b>2000m</b>	<b>795m</b>	<b>400m</b>	<b>200m</b>
Encoder/Parameters	DNZ1880YM23			
Video Compression:	H.264//H.265/MJPEG, triple Stream, Configurable			
LAN Interface:	10/100 Mbps RJ-45 Port			
Output Bit Rate:	Variable Bit Rate (VBR) & Constant Bit Rate (CBR)			
Network Interface:	10/100 Mbps RJ-45 Port; Status and Network LEDs			
Wireless Network:	IEEE 802.11a/b/d/e/g/h/i, 802.11n			
Network Protocol:	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour			
Web Server:	Intuitive Browser Interface, Internet Explorer			
Operating System:	Compatible with DNE2404 ( <b>NDAA</b> ), DNE3800 ( <b>NDAA</b> ) NVR Series and , DNE9000-VMS Series; WIN8, WIN 10 Servers			
CPU Requirement:	Intel Core 4 Quad 2GHz or higher for Client			

