

DNA1880YM

2MP, 30x D/N Explosion Proof IR PTZ Positioning System Analytics w/Tracking



DESCRIPTION

DNA1880YM are 1/2.8" 2MP Day/Night, 30X optical and 16 x digital zoom, 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 50/60fps 2MP(1080p); feature pan-tilt with receiver/driver, true WDR(120dB, analytics (IVS) with tripwire trigger tracking and LED IR Illuminator for up to 100m night vision. Included are 256 presets, Audio in/out, 2 Alarms in/1 out, RS-485, OSD menu with programmable functions WB, AGC, BLC, ultra 3DNR, 5 Auto Scan, 8 Tours; SS316L housing construction and IP68 rating. With 100-240VAC, POE option, Web and Client Software, Smart Phone interface, the Network DNA1880YM Series Explosion Proof IR PTZ Systems are designed to meet demanding commercial, industrial and environmental IP video surveillance installations.



FEATURES

- * IP 2.0MP IR PTZ Explosion Proof System 30x
- * CMOS Progressive Scan Sensor true WDR
- * H.264/H.265/MJPEG; triple Stream Encoder
- * 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
- * RS-422/485 Rec./Driver with P/D PTZ protocol
- * Analytics with Tripwire Tracking, Perimeter Protection, Missing or Abandoned Objects
- * 256 Presets, 5 Scan, 8 Tours; 2 Alarms in/1 out
- * Audio In/Output, RS-485 Data Port
- * Smart Phone - iPhone, iPad and Android
- * Web and Client Software; 20 Access Users
- * Sunshield, Blower, Heater and Wiper
- * Stainless Steel 316L Construction Materials
- * 100-240VAC Input Voltage; POE option
- * Corrosion Resistant, Marine Housing, IP68
- * Comply: CE, ROHS, ONVIF, ATEX, IEC ExdIICT6

APPLICATIONS

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

ORDERING INFORMATION

DNA1880YM23AE5 Network 2MP Explosion Proof IR PTZ 30X, LED 100m, NTSC, IP68, 240VAC

DNA1880YM23BE5 Network 2MP Explosion Proof IR PTZ 30X, LED 100m, PAL, IP68, 240VAC

DZ1880 Wall Bracket with Stabilization plate: DZ6705-8953 Explosion Proof Junction Box



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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: 256 ±0.1° accuracy
Tours/Scans: 8 / 5
Alarm Inputs/Outputs: 2 in; 1 out

Electrical Parameters

Voltage/Consumption: 100-240VAC, POE option;
75W w/heater
Wiper/LED Control: via Client Software
IR Distance: LED 100m

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: 15.6"(395mm), 11.6"(295mm)
18.9"(480mm)
Weight (Net/Gross): 67lbs(30Kg) / 78lbs(35Kg)

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, ROHS, IP68

Camera Parameters	DNA1880YM23
Image Sensor	Progressive Scan Exmor 1/2.8" CMOS
Effective Pixels	2.0M (1920 x 1080)
Output Pixels:	1920(H)x1080(V)
FPS:	50/60 @1080P / 720P / D1(704x576,704x480), CIF
Min. Illum. F1.6, 50 IRE:	Color 0.005Lux/F1.6/0Lux/IR ON
Frame Rate:	1080P/720P(1~30fps); D1(1~30fps)
Optical / Digital Zoom:	30X (F=4.5mm~135mm)
View Angle: Wide x Tele	67.8°(W)~2.4°(T) 30x
F-value:	F 1.6(wide) - F5.0(telephoto) 30x
Focus:	Auto/Manual (Far/Near)
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:	2D / 3D
Focus Distance:	100m - 1000m
BLC:	BLC / HLC / WDR
White Balance:	Auto/ATW/Indoor/Outdoor/Manual
Encoder/Parameters	DNA1880YM23
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 DNA3700, DNA3750, DNA3800, DNA4000 and DNA5000 Series NVR Server Appliances; WIN8, WIN 10 Servers
CPU Requirement:	Intel Core 4 Quad 2GHz or higher for Client

