

DNE1793T6ZM4R

Hybrid Thermal/4MP PTZ System

640pixel, 4MP w/60x Optical Auto-Tracking, Analytics



DESCRIPTION

The DNE1793T6ZM4R Series are Hybrid Thermal and 4MP Network, **NDAA compliant**, PTZ Positioning System that represent state-of-the art technology. Units are designed with 5th GEN uncooled VOX 640 pixel array image core with 18 color palettes; H.265/H.264/MJPEG video compression and configurable dual-stream output on visible camera. The Series DNE1797T6ZM46R needs no active illumination; detects a man-sized threat up to **3.1Km** / vehicles to **9.6Km** in total darkness. Features are: pan/tilts, enclosures, receiver drivers into rugged systems, 75mm or 100mm Lens - thermal, 32x or 60x optical zoom - visible camera; Auto-Tracking, Analytics, EIS and Defogger. Included are OSD with 400 presets, 6 Auto Scan, 12 Patterns, 8 Tours, 24 privacy zones, 3DNR, WB, BLC, HLC and WDR. With 36VDC voltage, RJ-45 Ethernet port, BNC, RS-485, 2 Audio in/2 out, 3 Alarms in/3 out, SD Card, Smart Phone Interface, ONVIF, heater, wiper, IP66, the DNE1793T6ZM4R series Thermal/visible PTZ Positioning System with Auto Tracking and Analytics are designed for demanding and critical, video surveillance installations.



FEATURES

- * Hybrid Thermal and Visible Network 4MP PTZ Positioning System – motorized / Zoom Lenses
- * Uncooled 5th GEN Thermal Image 640 VOX Core
- * 1/2.8" CMOS Progressive Scan Sensor 2592x1520
- * H.265/H.264/MJPEG, Configurable Stream Encoder
- * 25/30fps @ 2592 x 1520 and 1080p Resolutions
- * Illumination Color 0.01/F1.6 0.001Lux/F1.6/BW
- * Thermal: 75mm /100mm motorized Lens
- * Visible cam: 32x or 60x optical zoom lenses
- * Built-in Analytics: Tripwire, Perimeter Intrusion, Human, vehicle detection, loitering, wrong way, Fire Detection; **Auto Tracking with linkage**
- * Built-in Electronic Stabilization (EIS); Defogger
- * OSD with 400 Presets, 24 Privacy Masking Zones, 6 Auto Scan, 12 programmable Patterns; 8 Tours, 3DNR, WB, BLC, HLC and true WDR (120dB)
- * RS-485 Data; 2 Audio in/2 out; 3 Alarm in/3 out
- * 10/100 Mbps RJ-45 LAN Port, BNC output
- * Smart Phone Interface: iPhone and Android
- * Metal Housing, Heater, Wiper and Sunshield
- * 36VDC input voltage, 50Hz/60Hz; SD Card (256GB)
- * Compliance: CE, FCC, ROHS, ONVIF, IP66, NDAA

APPLICATIONS

- * Homeland Security
- * Petrochemical Industry
- * Government and Military
- * Power Generating Plants
- * Airport Surveillance
- * Port Surveillance
- * Vessel Surveillance

ORDERING INFORMATION

- DNE1793T675ZM43RA -9 Thermal/IP IR PTZ Positioning, 640x512, Thermal 75mm motorized Lens; 4M Visible with 32x optical zoom, NTSC, 36VDC
- DNE1793T675ZM46RB -9 Thermal/IP IR PTZ Positioning, 640x512, Thermal 75mm motorized Lens; 4MP Visible with 60x optical zoom, PAL, 36VDC



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Video Specifications

Video Format: Thermal/Network Visible/BNC

Audio Specifications

Audio Input/Output: 2 / 2
Audio Compression: G.711a

Data Specifications

LAN Interface: 10/100Mbps Ethernet RJ-45
PTZ Data/Protocol: RS-485; Pelco D, 2400Baud

General Parameters

Auto Pan: 0°~360°
Programmable Presets: 400 with titles
Tours/Patterns/Scans: 6 / 12 / 8 (w/32 presents)
Privacy Masking Zones: 24
Alarm Inputs/Outputs: 3 / 3

Electrical Parameters

Input Voltage: 36VDC
Power Consumption: max. 150W

Mechanical Parameters

Materials: Metal / Sunshield
Manual Pan Speed: 0.01° ~ 30°/sec/max
Manual Tilt Speed: 0.01° ~ 15° /sec/max
Preset Speed: 30° /sec Pan; 15° /sec Tilt
Rotation travel: Pan 360° continuous
Tilt Travel: -45° ~ +45°
Dimensions L x W x H: 28.7"(730mm), 17.4"(443mm)
25"(636mm)
Weight Net: 105 lb(48Kg)

Environmental Parameters

Oper. Temperature Outdoor: -40°F~158°F(-40°C~70°C)
Humidity: 0~90% (Non-condensing)

Regulatory Compliance

Agencies: CE, FCC, ROHS, ONVIF, NDAA, IP66
Manufactured to: ISO9000

DNE1793T6FM4R	Thermal Camera Parameters
Image Detector Type:	5th Generation uncooled VOX Microbolometer
Sensor Format / Pixel Pitch:	640 x 512(PAL) / 12 Microns
Spectral Response/Sensitivity:	8um to 14um / < 40mK NETD @ F1.0
	4MP IP Camera Parameters
Image Sensor	Progressive Scan 1/2" CMOS with true WDR(120dB)
Effective Pixels / Output Pixels	4MP (2592 x 1520) / 1920(H)x1080(V); 1080P / 720P resolutions
Min. Illumination F1.5, 50 IRE:	Color 0.01Lux/F1.6 / 0.001Lux/F1.6BW
Frame Rate:	4MP/1080P/720P(1~30fps); D1(1~30fps)
	Encoder Parameters
Video Compression:	H.265/H.264/MJPEG, Dual Stream, Configurable
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
Operating System:	Compatible with DNA3750, DNA3800, DNA4000, DNA5000 NVR Appliances; WIN 10 / SERVER
Web Server:	Intuitive Browser Interface, Explorer, Chrome
Thermal Lens	Fixed
Focus	Auto Manual
Focal Length	75mm / 100mm
View Angle	6°H, 5°V / 4.3°H, 3.5°V
Fire Distance	Detection - 3125m
1m x 1m	
Person Distance	Detection - 3120m
1.8m x 0.5m	Recognition - 780m
Vehicle Distance	Detection - 9580m
4m x 1.5m	Recognition - 2390m
Visible Lens	Motorized Zoom
Optical Zoom	32x / 60x
Focal Length	12.5 ~ 400mm / 12.5 ~ 750mm
View Angle	33° ~ 1.7°

