

DNA1892T600YM23

Thermal Vision 640pixel

2MP IP IR PTZ Positioning 30X

Auto Tracking - Analytics



DESCRIPTION

The DNA1892T600M23 Series are Hybrid Thermal and 2MP Network IP IR PTZ Positioning with 30X Optical, 24x Digital Zoom that represent state-of-the art, DSP based camera technology. Units are designed with 4th GEN uncooled VOX 640 pixel array image core, 19mm, 50mm lens (thermal), NTSC/PAL video outputs; H.264/MJPEG video compression and configurable dual stream output 25/30fps @ 1920x1080. The Series DNA1892T600M23 needs no active illumination; detects a man-sized threat up to 1.7Km and vehicles to 5Km in total darkness. Features are: pan/tilts, enclosures, receiver drivers into rugged systems, auto tracking, analytics (IVS) and fire detection/alarm. Included are 300 presets, OSD menu with functions, 5 Auto Scan, 5 Patterns, 8 Tours, 24 privacy zones, digital zoom and LEDs for 150m night vision. With 12VDC voltage, RJ-45 Ethernet port, RS-485 Data, Audio in/out, 2 Alarms input/2 out, micro SD Card, Smart Phone Interface, ONVIF, IP66, the DNA1892T600M23 series Thermal/IP IR PTZ Integrated Positioning System with built-in Analytics are designed to meet the most demanding, commercial and industrial Network Video surveillance installations.



FEATURES

- * Hybrid Thermal IP 2MP dual lens PTZ Positioning System with 30x Optical Zoom and WDR (120dB)
- * Uncooled 4th GEN Thermal Image 640 VOX Core
- * 1/1.9" CMOS Progressive Scan Sensor 1944x1092
- * H.264/MJPEG, configurable Dual Stream Encoder
- * 25/30fps @ 1920 x 1080; 60fps @ 720p Resolutions
- * Illumination Color 0.001/0.0001Lux/F1.5/0 Lux IR On
- * High Quality 19mm, 50mm Lens on Thermal cam
- * Detection(50mm): People - 1700m; Vehicles - 5Km
- * Recogn.(50mm): People - 450m; Vehicles - 1400m
- * ID(50mm): People - 230m; Vehicles - 700m
- * Built-in Analytics: Tripwire, Perimeter protection, loitering, abandoned objects, missing objects
- * Advanced Fire Detection and Alarm; Auto Tracking
- * High Output IR LEDS for 150m Night Vision
- * 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- * 300 Presets, 8-24 Privacy Masking Zones
- * Programmable 5 Auto Scan, 5 Patterns; 8 Tours
- * 2 Alarms in, 2 Alarms out, Audio in/out, RS-485
- * Smart Phone Interface: iPhone and Android
- * Die Cast Aluminum Housing, Sunshield, Wiper
- * 12VDC input Voltage, 50Hz/60Hz; SD Card (128GB)
- * Compliance CE, FCC, ROHS, ONVIF, IP66

APPLICATIONS

- * Homeland Security
- * Correctional Centers
- * Petrochemical Industry
- * Corporate and Banking
- * Casinos and Hospitality
- * Health Care Centers
- * Schools and Universities
- * Government and Military
- * Power Generating Plants
- * Traffic Surveillance (ITS)

ORDERING INFORMATION

DNA1892T619YM23A3CA1	Thermal/IP Mobile IR PTZ, 640 Pixel, 19mm Lens, 30x, NTSC, 12VDC
DNA1892T619YM23B3CA1	Thermal/IP Mobile IR PTZ, 640 Pixel, 19mm Lens, 30x, PAL, 12VDC
DNA1892T650YM23A3CA1	Thermal/IP Mobile IR PTZ, 640 Pixel, 50mm Lens, 30x, NTSC, 12VDC
DNA1892T650YM23B3CA1	Thermal/IP Mobile IR PTZ, 640 Pixel, 50mm Lens, 30x, PAL, 12VDC



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Video Specifications

Video Output: IP, Analog NTSC/PAL
Camera ID range: 1-300

Audio Specifications

Audio Input/Output: 1 / 1
Audio Compression: G.711a

Data Specifications

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

General Parameters

Auto Pan: 0°~360°, 5 auto scan routes
Programmable Presets: 300 with titles
Tours/Patterns/Scans: 8 / 5 / 5
Privacy Masking Zones: 24
Alarm Inputs/Outputs: 2 / 2

Electrical Parameters

IR LEDs – Night Vision: 4 High Output; 150m

Input Voltage/ Cons.: 9-36VDC / 50W (IR on)

Mechanical Parameters

Materials: Die Cast Aluminum w/Sunshield
Manual Pan Speed: 0.1° ~ 60°/sec/max
Manual Tilt Speed: 0.1° ~ 45° /sec/max
Preset Speed: 90°/ sec Pan; 60°/ sec Tilt
Rotation travel: Pan 360° continuous
Tilt Travel: -90° ~ 90°
Motor: Stepping type
Fan and heater: Continuous fan; auto-start heater
Dimensions D x H x W: 13.4"(340mm), 10.8"(275mm)
10.3"(260mm)
17lbs(8Kg)

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, IP66
Manufactured to: ISO9000

DNA1892T600YM23	Thermal Camera Parameters
Image Detector Type:	4th Generation uncooled VOX Microbolometer
Sensor Format / Pixel Pitch:	640 x 360(NTSC); 640 x 512(PAL) / 17 Microns
Fixed Lens:	Highest Quality 60mm or 100mm
Angle of View:	42°H x 1.1°V
Spectral Response/Sensitivity:	7.5um to 14um / < 40mK NETD @ F1.0
Video Format/Output:	IP / HD-TVI or Analog
Performance 50mm lens:	Detection: people – 1.7Km; vehicles 5Km
Performance 50mm lens:	Recognition vehicles: 450m; vehicles - 1400m
Performance 50mm lens:	Identification vehicles: 230m; vehicles - 700m
Color Palettes:	14 (White hot/Black hot/Iron row/Ice fire/Fusion/Rainbow/Glo bow/more...)
	2MP IP Camera Parameters
Image Sensor	Progressive Scan 1/3" Exmor CMOS true WDR(120dB)
Effective Pixels / Output Pixels	2.0M (1944 x 1092) / 1920(H)x1080(V); 1080P / 720P resolutions
Min. Illum. F1.6, 50 IRE:	0.001Lux/ICR Off, 0.0001Lux/ICR/0Lux IR On
Frame Rate:	1080P/720P(1~30fps); D1(1~30fps)
Optical / Digital Zoom (Visible):	30X (F=6.0mm ~ 180mm) / 24X
View Angle: Wide x Tele; F. Value	59°(Wide) ~ 2.4°(Tele) / F 1.5 (wide) – F4.3 (telephoto)
Focus:	Auto/Manual (Far/Near)
Privacy Masking:	ON/OFF (up to 24 areas)
Noise Reduction:	Ultra DNR (2D/3D)
Gain Control:	Auto / Manual
Back Light Compensation:	BLC / HLC / WDR
White Balance:	Auto, ATW, Indoor, Outdoor, Auto
	Encoder/Parameters
Video Compression:	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 DNA3700, DNA3750, DNA3800, DNA4000, DNA5000 Series NVR Appliances (embedded Linux); WIN 8 / WIN10
Web Server:	Intuitive Browser Interface, Internet Explorer

