BRYAN SECURITY

Extreme Less Latency
Extreme less network latency provides highly efficiency monitoring environments without system delay.

Multiple Profile Streaming
"Bryan" cameras support H.265/264/MJPEG Triple codec and multiple streaming capabilities.
Users can select the relevant codec to suit their individual requirement, such as, real-time monitoring, high-quality or high-efficiency recording, mobile monitoring and E-mail notification.

WDR(Wide Dynamic Range)
WDR is a powerful and ultra-advanced technology that captures cleaner and superior high resolution pictures, even where images appear dark because there is a strong back light present.

Video Analytics
Video Analytics on the "Bryan" cameras includes: Motion Detection, which detects when a change has occurred in predefined areas in the field of view, Trip zone /Enter/Exit functions, which detect if a breech has occurred in a predefined area and Tampering detection that automatically alarms when a camera is disrupted.

P2P | 12MP | PTZ 360° | IP66 | Night Vision | DDNS | Lightning Protection | vandalproof

ISO 9001 ISO 14001 RoHS CE FC UL

BR-PT450I33X-2MSP

H.265 Network IR PTZ Starlight 33X

Features

- Starlight Ultra Low Light 0.002lux
- Mechanical WDR 140dB
- Smart IR, IR Range: 450m
- Optical Zoom: 33x, Digital Zoom: 16x
- NIR, WDR, 3D DNR, HLC, Dual-ICR, AWB, AGC, BLC
- VCA Tripwire/Double Tripwire/Perimeter/Object Abandon/Object Lost/Running/Loitering/Parking/Crowd/Audio Abnormal Detection/Video Abnormal Detection
- Interface Audio in/out 1(Bulit-in Mic)/1,Alarm in/out 1/1,MicroSD Card Slot, up to 128GB, Reset Button
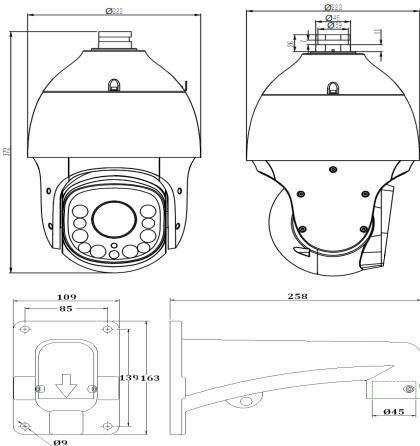- TVS 6000V, Lightning/Surge 4000V Protection, IP66

	G711A/G711U/ADPCM/AAC
Audio Bit Rate	8K～48Kbps
Video Bit Rate	32K～16000Kbps
Protocols	TCP/UDP/HTTP/MULTICAST/UPnP/DHCP PPPoE/DDNS/NFS/FTP/NTP/RTP RTSP/IPv6/SNMP/SMTP
Remote Connection	5 Users Access at the Same Time
User Permission	Up to 32 Users, 4 Levels
Security Measures	User Authentication (ID and PW), Host Authentication (MAC Address) IP Address Filtering
Web Browser	IE8,IE9,IE10,IE11,Firefox3.5+
System Compatibility	ONVIF (Profile S), SDK

Advance

Video Analytics(VCA)	Tripwire/Double Tripwire/Perimeter/Object Abandon Object Lost/Running/Loitering/Parking/Crowd Audio Abnormal Detection/Video Abnormal Detection
Intelligent Alarm	Motion Detection, Mask Alarm, Port Alarm,Network Disable Alarm IP Conflict, MAC Conflict Detection

General

Language	English,Spanish,Korean,Italian,Turkish,Thai,Russian Polish,French,Traditional Chinese,Simplified Chinese
Operating Conditions	-40°C-70°C, 0～95% RHG
Power Supply	AC24V 3A
Power Consumption	18.6W(IR OFF)/ 32.36W(IR ON)
Circuit Protection	TVS 6000V, Lightning/ Surge 4000V Protection
Impact Protection	IP66
Wiper	N/A
IR LEDs	10pcs
Dimensions	222mmx222mmx372mm
Weight	5KG (IP PTZ Only), 8.45KG (with Packing Box)

Dimension (unit:mm)

Weight
5KG (IP PTZ Only), 8.45KG (with Packing Box)

Specifications

ITEM	BR-PT450I33X-2MSP
Image Sensor	1/2.8" CMOS
Effective Pixels	1920(H)x1080(V)
Signal System	PAL/NTSC
Minimum Illumination	Color:0.002Lux @ (F1.6,AGC ON) Black&White:0.001Lux @（F1.6,AGC ON） 0 Lux with IR
White Balance	Auto/ ATW/ Manual
AGC	Auto/Manual
S/N Ratio	≥ 55dB
BLC	Y
HLC	Y
Smart Defog	Y
WDR	140dB
Digital Noise Reduction	3D DNR
Exposure Mode	Auto/ Manual/Shutter priority/ Aperture priority
Shutter Time	1/1s～1/100000s
Day& Night	IR Cut Filter with Auto Switch
Digital Zoom	16x
Privacy Masking	24 Dynamic Privacy Mask Programmable; Optional Multiple Colors
Auto Focus	Auto/ Semi-automatic/ Manual
OSD	Size:16×16, 32×32, 24×24, 48×48, 64×64, 96×96 Letters, Week, Date, Time, Total 5 Regions
S/N Ratio	>60dB

Lens

Focal Length	4.7-141mm, 33x
Zoom Speed	Approx.4s(Optical Wide-Tele)
Angle of View	60.5°（w）～2.3°（t）
Minimum Working Distance	1-1.5m(Wide-Tele)
Aperture Range	F1.5-F4.0

Pan & Tilt

Pan Range	360° Endless
Pan Speed	Pan Manual Speed: 0.1° -240°/s Pan Preset Speed: 240°/s
Preset Accurity	±0.2°
Tilt Range	-16°-90° (Auto Flip)
Tilt Speed	Tilt Manual Speed: 0.1°-240°/s Tilt Preset Speed: 240°/s
Proportional Zoom	Rotation Speed Can Be Adjusted Automatically According to Zoom Multiples
3D Position	Y
Number of Preset	500
Scan	8
Cruise	16, up to 32 Presets per Cruise
Pattern	8, Each One With 600s Memory or 300 Orders
Power loss recovery	Y
Guard Action	Preset/ Cruise/ Pattern/ Scan
PTZ Position Display	Y
Freeze Frame	Y

Infrared

IR Distance	450m
IR Angle	Adjustable by Zoom

Interface

Audio Input	1-ch Mic in(Line in Interface) Line Input 2-2.4V[p-p]; Output Impedance 1KΩ, ±10%
Audio Output	1-ch Line level, Impendance: 600Ω
Ethernet	1-ch RJ45 10M/ 100M
Alarm Input	1-ch
Alarm Output	1-ch
On-board Storage	MicroSD Card Slot,up to 128GB
BNC Output & RS485	N/A
Extension	N/A

Network

Ethernet	10Base -T/100Base-TX RJ45 Connector
Max.Image Resolution	1920×1080
Main Stream	1920×1080@25/30fps; 1280×960@25/30fps; 1280×720@25/30fps;1280×720@50/60fps 704×576@25/30fps;704×480@50/60fps
Sub Stream	704×576@25fps/704×480@30fps 352×288@25fps/352×240@30fps 176×144@25fps/176×120@30fps
Third Stream	352×288@25fps/352×240@30fps
Image Compression	H.265/H.264 High Profile/MJPEG
ROI Encoding	7 Dynamic Areas for Both Main and Sub Stream

(*) Design and specifications are subject to change for product improvements without prior notice.