

Blazer Pro All-in-One Server



Introduction

The Blazer Pro is an all-in-one server that combines Hikvision's powerful video management system (VMS) with a video storage board. The Blazer Pro can manage up to 256 network cameras (for Blazer Pro/256/16H) or 128 network cameras (for Blazer Pro/128/16H) for recording, live view, and playback. With the power of VMS, sophisticated alarm management is possible, as well as central management, information sharing, convenient connection and multi-service cooperation. The Blazer Pro's unique design provides both powerful storage and advanced centralized video management capabilities.

Available Models

Blazer Pro/128/16H, Blazer Pro/256/16H

Main Features

Quick Network Cameras Connection

- Automatically discover online network cameras
- Add up to 256 network cameras (for Blazer Pro/256/16H) or 128 network cameras (for Blazer Pro/128/16H) for management

Advanced System Stability

- Video storage device (Storage Board) and video management system (Server Board) are located on independent motherboards to strengthen the stability of the server
- Linux operating system, ANR technology, and N+1 hot spare system for video storage device to enhance the reliability
- Pre-installed Windows 10 operating system on the built-in SSD for video management system
- Redundant power supplies
- Redundant network connections
- Users with related permission can switch to administrative mode to access the operating system
- Database backup and restore
- System data hot spare via RoseReplicatorPlus

Convenient Data Storage

- Up to 16 SATA hard disks, 1 eSATA and 2 miniSAS (optional) can be connected, for data storage (for video storage)
- A 1 TB HDD (Disk D) is delivered with Server Board for storing pictures, logs, etc.
- Support HDD hot swap with RAID0, RAID1, RAID5, RAID10 storage scheme configurable
- Support HDD quota and group modes; different capacity can be assigned to different cameras

High Compatibility

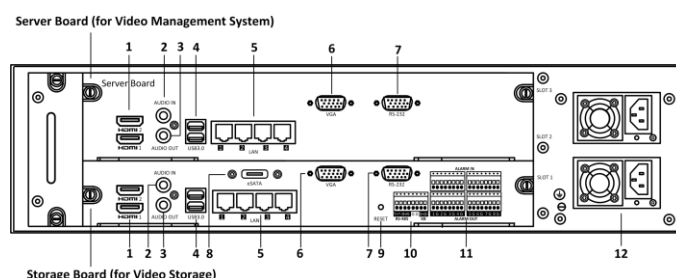
- Multiple Hikvision devices can be added: network cameras, network speed domes, DVRs, NVRs, etc.
- Connect third-party devices via standard ONVIF™ protocol

Advanced Video Management Features

- Set the recording schedule for the connected cameras
- Event settings for camera, alarm input, device, server, and view the alarm information
- Map for viewing the camera locations and distributions, alarm inputs, alarm outputs, etc.

- Allow live view, PTZ control, manual recording, and other operations of the connected cameras
- Normal playback, synchronous playback, fisheye playback, and VCA playback are selectable
- Display people counting and heat map statistics
- View live video of ANPR cameras, and the license plate displays; Search logs of vehicle license plate recognized by the camera and the related vehicle passing information
- Search video files stored on local devices or Recording Server
- Search the video files of transaction event by inputting the keywords in POS information
- Set VCA rule to search the video that VCA event occurs
- Web Client, Control Client, and Mobile Client available for system management to access Blazer Pro anytime, anywhere
- Manage role and user permission
- Active directory integration

Physical Interfaces



Index	Name
1	HDMI™ Interfaces
2	AUDIO OUT
3	AUDIO IN
4	USB 3.0 Interfaces
5	LAN Network Interfaces
6	VGA Interface
7	RS-232 Serial Interface
8	eSATA Interface
9	Reset Button
10	RS-485 Serial Interface
11	ALARM IN and ALARM OUT
12	100 to 240 VAC Power Input

Specifications

Model	Blazer Pro/256/16H		Blazer Pro/128/16H
Server Board	CPU		Intel® Xeon® 4-core (64-bit) E3-1225 V5 CPU @ 3.30GHz
	Memory		8 GB
	Operating System		Windows 10
	Video/Audio Output	HDMI™ Output	2-ch
		VGA Output	1-ch
		Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1KΩ)
		Audio Output	1-ch, RCA (2.0 Vp-p, 1KΩ)
	Network Interface		4 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces
	Serial Interface		RS-232
	USB Interface		Front panel: 2 ×USB 2.0; Rear panel: 2 ×USB 3.0
	SATA		4 SATA interfaces
	Number of Connected Cameras		Maximum 256
	Number of Alarm Inputs in Total		Maximum 256
	Number of Alarm Outputs in Total		Maximum 256
	Number of Clients (Control Client or Web Client) Concurrently		Maximum 25
	Number of Mobile Clients Concurrently		Maximum 25
	Number of Areas		Maximum 256
	Number of Area Hierarchies		Maximum 5
	Number of Cameras per Area		Maximum 64
	Number of Alarm Inputs per Area		Maximum 64
	Number of Alarm Outputs per Area		Maximum 64
	Number of Maps		Maximum 64
	Number of Map Hierarchies		Maximum 6
	Number of Hot Regions per Map		Maximum 32
	Number of Camera Hot Spots per Map		Maximum 128
	Number of Alarm Input Hot Spots per Map		Maximum 128
	Number of Alarm Output Hot Spots per Map		Maximum 128
	Number of Labels per Map		Maximum 384
	Number of Camera Hot Spots in Total		Maximum 256
	Number of Alarm Input Hot Spots in Total		Maximum 256
	Number of Alarm Output Hot Spots in Total		Maximum 256
	Number of Users		Maximum 256
	Number of Roles		Maximum 32
	Number of Alarm Logs		Maximum 1,000,000
	Number of Event Logs		Maximum 1,000,000

	Number of Operation Logs		Maximum 500,000	
	Number of System Logs		Maximum 500,000	
	Number of Tags		Maximum 1,000,000	
	Number of People Counting Records		Maximum 500,000	
	Number of Heat Map Records		Maximum 250,000	
	Number of License Plate Recognition Records		Maximum 1,000,000	
	Number of Recording Servers		Maximum 16	
	Number of ANPR Camera		Maximum 16	
Storage Board	Incoming Bandwidth		768 Mbps	576 Mbps
	Outgoing Bandwidth		768 Mbps	512 Mbps
	Recording Resolution		12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	Recording Channels		256 channels	128 channels
	Video/Audio Output	HDMI™ Output Resolution	2-ch (independent output) 4K(4096×2160), 4K(3840×2160)/30Hz, 2K(2560×1440)/60Hz, 1080P(1920 × 1080) /60Hz, UXGA(1600 × 1200) /60Hz, SXGA(1280 × 1024) /60Hz, 720P(1280 × 720) /60Hz, XGA(1024 × 768) /60Hz	
		VGA Output Resolution	1-ch, 1080P(1920 × 1080)/60Hz, UXGA(1600 × 1200)/60Hz, SXGA(1280 × 1024)/60Hz, 720P(1280 × 720) /60Hz, XGA(1024 × 768)/60Hz	
		Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1KΩ)	
		Audio Output	1-ch, RCA (2.0 Vp-p, 1KΩ)	
	SATA		16 SATA interfaces	
	eSATA		1 eSATA interface	
	miniSAS (Optional)		2 miniSAS interfaces	
	Capacity		Up to 8 TB capacity for each HDD	
	Array Type		RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	
	Network Interface		4 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces	
	Alarm In/Out		16/8	
	Serial Interface		RS-232; RS-485; Keyboard	
	USB Interface		Rear panel: 2 × USB 3.0	
General	Power Supply		Two power supply interfaces. 100 to 240 VAC, 550 W	
	Consumption (without Hard Disk)		≤300 W	
	Working Temperature		0 °C to +50 °C (32 °F to 122 °F)	
	Working Humidity		10% to 90%	
	Chassis		3U chassis	
	Dimensions (W × D × H)		487 mm × 560 mm × 133 mm (19.2" × 22.0" × 5.2")	
	Weight (without Hard Disk)		≤20 kg (44.09 lb)	