Blazer Pro All-in-One Server

HIKVISION

Introduction

The Blazer Pro is an all-in-one server that combines Hikvision's powerful video management system (VMS) with a video storage device. The Blazer Pro can manage up to 256 network cameras for recording, live view, and playback. With the power of VMS, sophisticated alarm management is possible, as well as the VMS add-ons, such as license plate recognition, POS integration, business intelligence, GIS map and access control management. The Blazer Pro's unique design provides both powerful storage and advanced centralized video management capabilities.

Note: The add-ons are available if you purchase the corresponding License. Please contact our sales for detailed information.

Available Models

Blazer Pro

Main Features

Quick Network Cameras Connection
- Automatically discover online network cameras
- Add up to 256 network cameras for management

Advanced System Stability
- Video storage device and video management system are located on independent motherboards to strengthen the stability of the server.
- Embedded Linux operating system, ANR technology, and N+1 hot spare system for video storage device to enhance the reliability
- Pre-Installed Windows 8.1 operating system on the built-in SSD for video management system
- Redundant power supplies

Convenient Data Storage
- Up to 7 SATA hard disks and 1 miniSAS can be connected, for data storage
- Supports HDD hot swap with RAID0, RAID1, RAID5, RAID10 storage scheme configurable
- Supports HDD quota and group modes; different capacity can be assigned to different cameras
- 1 SATA hard disk is available for data storage

Powerful Network Connection
- 2 self-adaptive 10M/100M/1000M network interfaces (for video storage device)
- 4 self-adaptive 10M/100M/1000M network interfaces (for video management system)

Easy Deployment
Directly stores the video files on the hard disks of the server without need to install an extra storage server
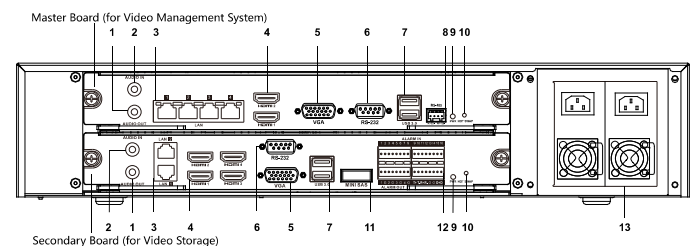
High Compatibility
- Multiple Hikvision devices can be added: network cameras, network speed domes, DVRs, NVRs, Mobile Video Recorder, etc.
- Connects third-party devices via standard ONVIF™ protocol, and connectable with the third-party devices via the manufacturer's private protocol, including the network camera of Bosch, Axis, and Vivotek

Advanced Video Management Features
- Sets the recording schedule for the connected cameras
- Event settings for camera, POS terminal, alarm input, access control, device, server, and view the alarm information
- E-map for viewing the camera locations and distributions, alarm inputs, alarm outputs, etc.
- Allows live view, PTZ control, manual recording, auto-switch, and other operations of the connected cameras
- Normal playback, event playback, synchronous playback, fisheye playback, POS playback, and VCA playback are selectable
- Displays people counting and heat map statistics
- Recognizes license plate in live view
- Views the added POS terminal's related information
- Business intelligence module for transforming raw event data into useful information
- Provides GIS function for locating and tracking the MVR, etc.
- Web Manager, Control Client, Web Client and Mobile Client available for system management
- Manages role and user permission
- Active directory integration

Physical Interfaces

Master Board (for Video Management System)

Secondary Board (for Video Storage)

Index	Name
1	AUDIO OUT
2	AUDIO IN
3	LAN Network Interfaces
4	HDMI™ Interfaces
5	VGA Interface
6	RS-232 Serial Interface
7	USB 3.0 Interfaces
8	RS-485 Serial Interface
9	Power Indicator
10	Hot Swap Button
11	miniSAS Interface
12	ALARM IN and ALARM OUT, RS-485 Serial Interface
13	100 to 240 VAC Power Input

Note: The secondary board's HDMI™ Interfaces can also provide a multi-screen display function to join the four screens as a one display window.

Specifications

Model		Blazer Pro (256-channel)	Blazer Pro (128-channel)
Video Management System	**Number of Connected Cameras per System**	Maximum 256	Maximum 128
	Number of Connected Devices per System	Maximum 256	Maximum 128
	Number of Connected Alarm Inputs per System	Maximum 1024	Maximum 1024
	Number of Connected Alarm Outputs per System	Maximum 1024	Maximum 1024
	Control Clients per System	Maximum 16	Maximum 16
	Web Clients per System	Maximum 16	Maximum 16
	Mobile Clients per System	Maximum 64	Maximum 64
	Web Managers per System	Unlimited	Unlimited
	Number of Users	Unlimited	Unlimited
	Number of Roles	Maximum 64	Maximum 64
	PTZ Control Permission Levels	Maximum 100	Maximum 100
	Number of Stream Media Servers Per System	Maximum 16	Maximum 16
	POS Systems Access	Maximum 100	Maximum 100
	Video Input Bandwidth per SMS	Maximum 200 $\times$ 2 Mbps	Maximum 200 $\times$ 2 Mbps
	Video Output Bandwidth per SMS	Maximum 200 $\times$ 2 Mbps	Maximum 200 $\times$ 2 Mbps
	SATA	1 SATA interface for 1 HDD (for data storage)	1 SATA interface for 1 HDD (for data storage)
Video Storage Device	**Incoming Bandwidth**	640 Mbps or 320 Mbps (when RAID is enabled)	400 Mbps or 320 Mbps (when RAID is enabled)
	Outgoing Bandwidth	640 Mbps or 320 Mbps (when RAID is enabled)	400 Mbps or 320 Mbps (when RAID is enabled)
	Live View / Playback Resolution	6 MP/5 MP/3 MP /1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	6 MP/5 MP/3 MP /1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
	Recording Channels	256 channels	128 channels
	SATA	7 SATA interfaces for 7 HDDs (for the video storage)	7 SATA interfaces for 7 HDDs (for the video storage)
	miniSAS	1 miniSAS interface	1 miniSAS interface
	Capacity	Up to 6 TB capacity for each HDD	Up to 6 TB capacity for each HDD
	Array Type	RAID 0, RAID 1, RAID 5, RAID 10	RAID 0, RAID 1, RAID 5, RAID 10
	Power Supply	100 to 240 VAC, 6.3 A, 50 to 60 Hz	100 to 240 VAC, 6.3 A, 50 to 60 Hz
	Consumption (without Hard Disk)	≤250 W	≤250 W
	Working Temperature	0 ℃ to +40 ℃ (32 ℉ to 104 ℉)	0 ℃ to +40 ℃ (32 ℉ to 104 ℉)
	Working Humidity	10% to 90%	10% to 90%
	Chassis	19-inch rack-mounted 2U chassis	19-inch rack-mounted 2U chassis
	Dimensions (W $\times$ D $\times$ H)	442 mm $\times$ 550 mm $\times$ 93 mm (17.4" $\times$ 21.7" $\times$ 3.7")	442 mm $\times$ 550 mm $\times$ 93 mm (17.4" $\times$ 21.7" $\times$ 3.7")
	Weight (without Hard Disk)	≤13.6 kg (29.98 lb)	≤13.6 kg (29.98 lb)