

Image-based Intrusion Detection Unit

BRAST Security Vision Unit

Counter terrorism for critical infrastructure.

Minimizing nuisance alarm and failed alarm with 3D image processing.



BSV20 can receive video streams from an IP camera, analyzes them in real-time and detects intrusions.

When an intruder is detected, it outputs an alarm signal and displays the detection image.

< Features and merits of BRAST Security Vision Unit >

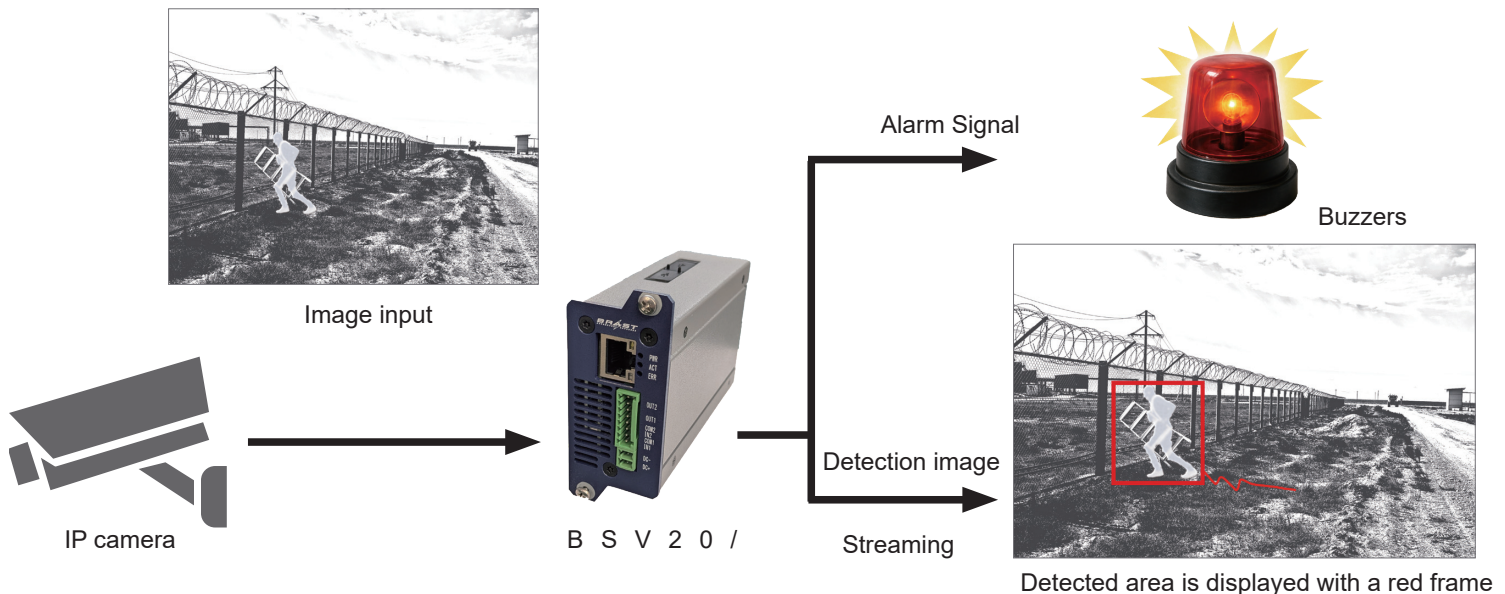
Compact design enables space saving and is suitable for retrofitting

Low consumption power 5 W (BSV12 : 18 W)

Modify web application and quick response

Alarm output via LAN cable or I/O interface, Equipped Self-diagnosis function

Composition



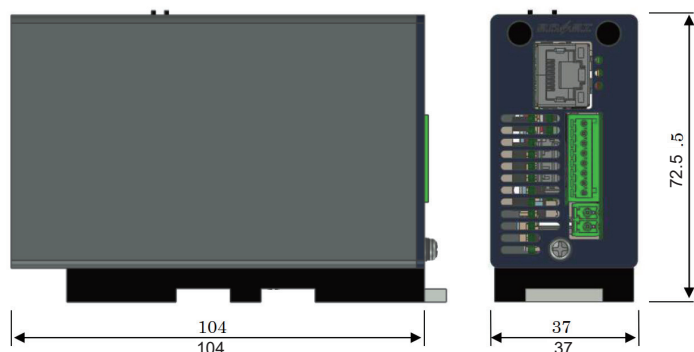
Setting for detection area



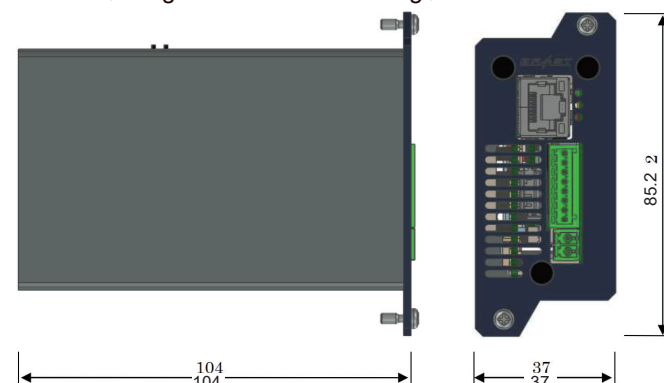
3D image processing with depth detection allows for higher accuracy detection.

Dimension

BSV20 (Designed for DIN rail mounting)



BSV20 (Designed for Rack mounting)



Specifications

Model	BSV20 (DIN Specification) / BSV20R (Rack Specification)
Video	
Streaming input	Video compression : H.264 / Resolution : Up to 720×480 Frame rate : 9fps Support protocols : RTP / RTSP
Streaming output	Video compression : H.264 / Resolution : 720×480 Frame rate : Based on input frame rate Streaming : Up to 10 simultaneous streams. Support protocols : RTP / RTSP, RTP / RTSP over HTTP
Network	Security : IEEE802.1X(EAP-TLS, PEAP) Password Protection : HTTPS Support protocols : HTTPS, SSH, SNMP, TCP/ IP, UDP /IP, IEEE802.1X, MODBUS

- Specification may changed without notice.
- This equipped content is as of July 2025.(2507-01)

General

I/F	LAN	Standard : IEEE802.3, IEEE802.3u LAN : 10BASE-T, 100BASE-TX, 1000BASE-T Connector : RJ-45 Port : 1
	IN-1/2	Input circuit : Photocoupler-isolated input Number of inputs : 2
	OUT-1/2	Output circuit : Relay contact output Number of outputs : 2
Dimension		BSV20 : 37.0mm(W)×72.5mm(H)×104mm(D) BSV20R : 37.0mm(W)×85.2mm(H)×104mm(D)
Weight		BSV20 : Approx. 360g / BSV20R : Approx. 340g
Power		DC10V ~ 26V
Consumption power		BSV20 : 4.7W (Max) / BSV20R : 3.9W (Max)
Operating temperature		0 ~ +60℃ (Non-freezing)
Storage temperature		-20℃ ~ +60℃ (Non-freezing)
Operating humidity range		20 ~ 90% (Non-condensing)

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