



## AI282s v3 IP CAMERA

The AI282s v3 IP camera is an integral part of Gatekeeper's Student Protector school bus stop arm system. This system is designed to capture high resolution video of vehicles that pass a school bus when its stop arm is extended. The camera utilizes Artificial Intelligence (AI) to detect vehicles as they enter the camera's detection zone when the stop arm is deployed. When this condition exists, the DVR recording is automatically triggered. This functionality ensures that video is captured only when a stop arm event takes place. This reduces the number of video events that a video analyst must review to verify incidents.

# GATEKEEPER

## AI282S V3

## PRE-EVENT AND POST-EVENT RECORDING



### KEY FEATURES

- AI detects vehicles enter detection zone – triggers recording automatically
- Up to 1080P @ 30fps resolution
- 1.8mm wide-angle lens
- Automatic day/night switching
- IP67 and Impact Protection IK10
- USA – National Defense Authorization Act (NDAA) compliant

In a stop arm system, Gatekeepers DVRs are typically configured for pre-event and post-event recording when a trigger has been received from the AI282s v3. This additional video facilitates a better understanding of the stop arm violation.

## DVR RECORDING IS AUTOMATICALLY TRIGGERED

# GATEKEEPER

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### VIDEO

IMAGING SENSOR	1/3" 2.0 mega pixel progressive scan CMOS
RESOLUTION	1080p (1920 x 1080) 720p (1280 x 720) D1 (720 x 480)
FOV	165° horizontal and 85° vertical
LENS	1.8mm
APERTURE	Fixed Aperture F2.0
BACKLIGHT COMPENSATION (BLC)	Supported
ELECTRONIC SHUTTER	1/30 – 1/10,000
FRAME RATES	Up to 30 fps
VIDEO COMPRESSION	H.264 / H.265
BIT RATE	512Kbps to 8Mbps
MINIMUM ILLUMINATION	0.1 lux (color), 0 lux (IR on)

### NETWORK

NETWORK PORT	10M / 100M
NETWORK PROTOCOL	TCP/IP, HTTP, DHCP, NTP, FTP
CONFIGURATION	Built-in web server

### POWER

POWER SUPPLY	12V POE
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### PHYSICAL

DIMENSIONS	3.93" (100mm) width x 2.36" (60mm) height
ELECTRICAL CONNECTOR	RJ 45

### ENVIRONMENTAL

OPERATING TEMPERATURE	-40°F to + 158°F (-40°C to +70°C)
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**H.265**  
**HEVC**

