

securityProbe5E-X20 (SEC5ES/V/A-X20)



A securityProbe with 20 dry contact inputs

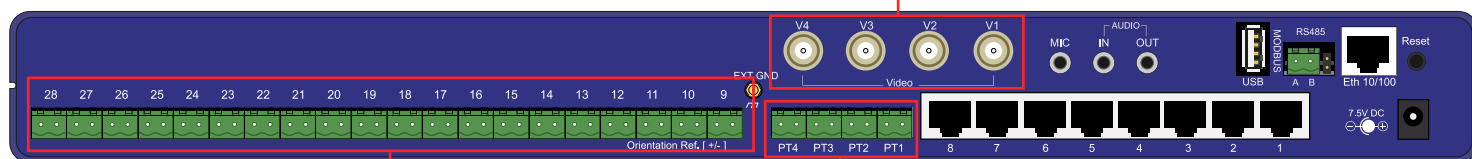
Based on the basic securityProbe5E the X20 comes with all the same options, no video, with analog video or digital video inputs, plus 20 dry contact digital inputs. These can be set to opto isolated mode with a jumper for instances where there is a chance of over voltage.

Optional 3G and 4F internal modems can be installed to send SMS alerts directly from the securityProbe device, or for communicating in sites with no wired network available.

Based on the basic securityProbe5E the X20 comes with all the same options, no video, with analog video or digital video inputs, plus 20 dry contact digital inputs. These can be set to opto isolated mode with a jumper for instances where there is a chance of over voltage.

Optional 3G and 4G internal modems can be installed to send SMS alerts directly from the securityProbe device, or for communicating in sites with no wired network available.

Analog BNC video inputs (5ESVA only).
5ESV comes with USB digital video inputs



20x dry contacts with jumper settings for opto isolation

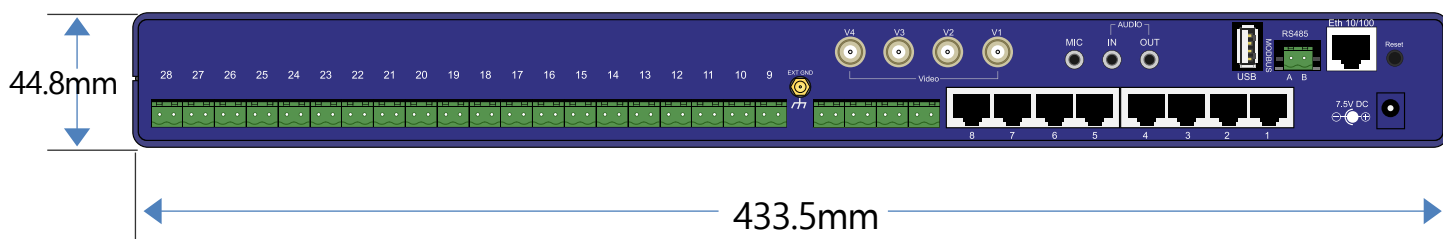
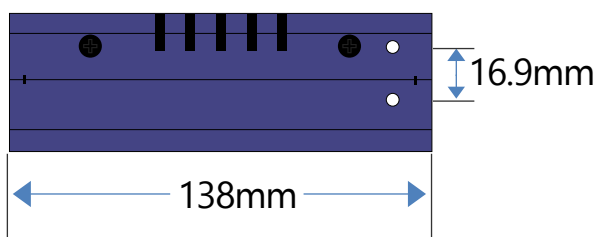
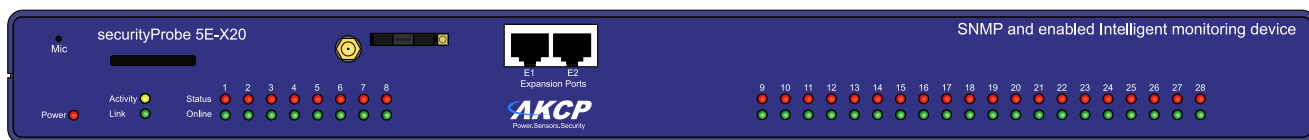
4x PTZ controller ports for Pelco.d compatible PTZ cameras (5ESV and 5ESVA only)

SEC5ES/V/A-X20 - Technical Specification

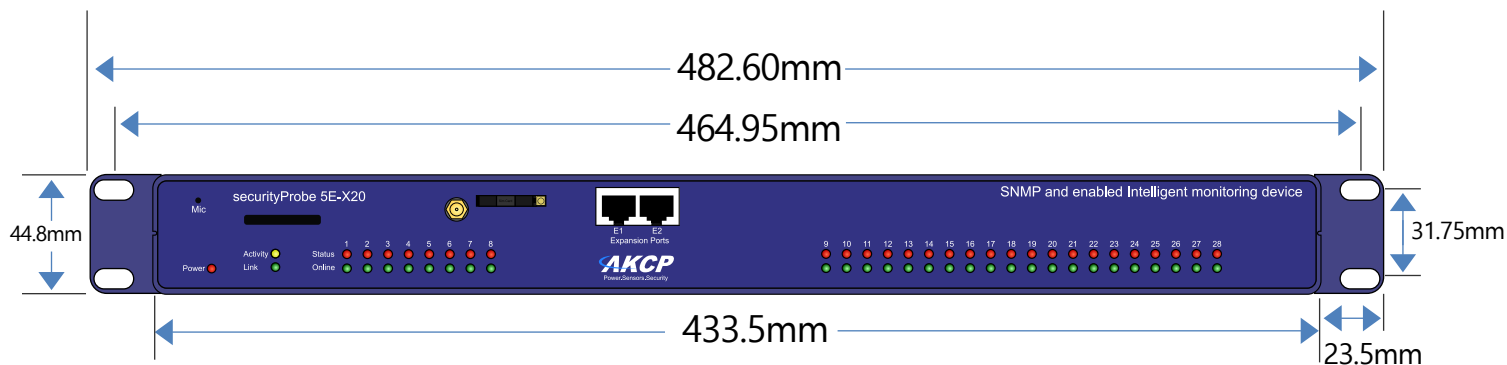
Dimension	Size : 17.08" x 5.43" x 1.80" Weight : 2.6 Kg
Expansion Port	2x RJ-45 Expansion Ports 115.2K BPS Data Transfer Rate Simultaneous functionality between Expansion Ports & RS485 port threshold status
Mounting	1U Rack Mount Standard Rack mount brackets included Compatible with AKCP's DIN and rack mount trays
Power	External 7.0 – 9 VDC 3A Power Adapter Input Voltage and Current ratings : 100V~240V - 1A Optional - DCW : external +/- 40~60V DC input
Power Consumption	Typical 6.150 Watt, 0.82A
Status Indication	LED indication for power LED for network connectivity LED for sensor online and threshold status LED for dry contact online and status
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability. CPU: AKCP i.MX25 Processor 128 MB On-Board NAND Flash HC SD Memory Slot on-board (up to 16GB)
Operating Environment	Temp : Min. -35° C – Max. +55° C Humidity : Min. 20% – Max. 80% (Non-Condensing)
MTBF	400,000 Hours
Connectivity	Ethernet 10/100 Mbps Optional Internal 3G/4G modem
Inputs	8x RJ-45 Sensor Ports 2x RJ-45 Expansion Ports 20x 2 Wire dry contacts (Input only up to 5VDC and up to 40VDC in opto isolated mode using internal jumper setting) 1x USB 2.0 Modem Port Audio In (Analog) 2.5 jack Internal Microphone RS485, 2 Pin Terminal box, (used for Modbus)
Outputs	Configurable output signals (0VDC/5VDC) on any of the 8 RJ-45 sensor ports Internal Speaker Out Ext. Speaker Out, 2.5" jack (Analog) Mic Out, 2.5 jack (Analog) (For modem application)
Expansion Boards	8 Port Intelligent Sensors Module (E-Sensor8) 16 Port Dry Contacts Module (E-opto16) (Maximum of 500 Sensors) Cabinet Control Unit (DCU) (Up to 25 Per Chain) Extendable up to 1,000 Feet or 300 meters Expansion modules are daisy chainable
Video - Analog	4x Analog Video BNC input, powered externally * resolution 320x240 or 640x480 * type : NTSC or PAL 4x PTDC controller ports
Video- HD Digital	4x AKCP High Definition Digital camera USB input resolution 320x240 or 640x480 4x PTDC controller ports

SEC5ES/V/A-X20 - Technical Drawing

Technical drawing illustrates SEC5ESVA-X20, dimensions of 5ES and 5ESV are the same



securityProbe5E-X20 with 1U rackmount brackets



securityProbe5E-X60 (SEC5ES/V/A-X60)



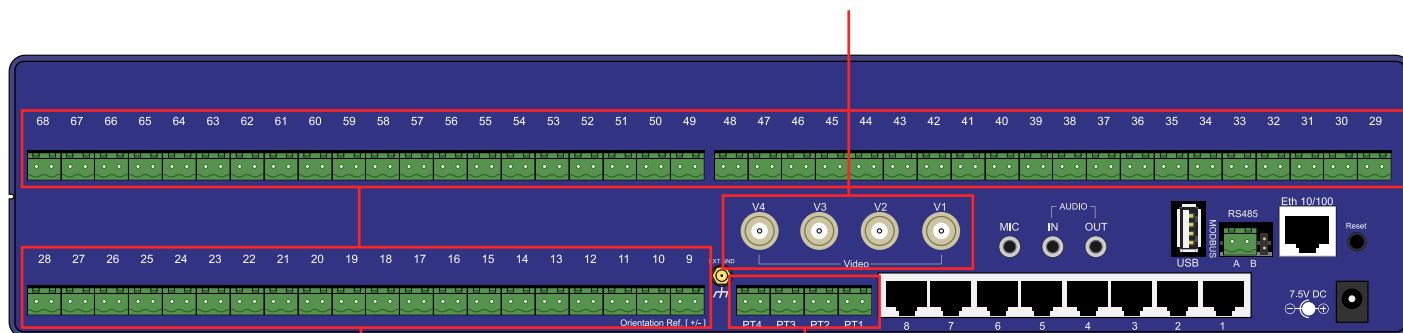
A securityProbe with 60 dry contact inputs.

Based on the basic securityProbe5E the X60 comes with all the same options, no video, with analog video or digital video inputs, plus 60 dry contact digital inputs. These can be set to opto isolated mode with a jumper for instances where there is a chance of over voltage.

Optional 3G and 4G internal modems can be installed to send SMS alerts directly from the securityProbe device, or for communicating in sites with no wired network available.

Based on the basic securityProbe5E the X20 comes with all the same options, no video, with analog video or digital video inputs, plus 20 dry contact digital inputs. These can be set to opto isolated mode with a jumper for instances where there is a chance of over voltage.

Analog BNC video inputs (5ESVA only)
5ESV comes with USB digital video inputs



60x dry contacts with jumper settings for opto isolation

4x PTZ controller ports for Pelco.d compatible PTZ Cameras (5ESV and 5ESVA only)

SEC5ES/V/A-X20 - Technical Specification

Dimension	Size : 18" x 5" x 3.45" Weight : 3.1 Kg
Expansion Port	2x RJ-45 Expansion Ports 115.2K BPS Data Transfer Rate Simultaneous functionality between Expansion Ports & RS485 port threshold status
Mounting	2U Rack Mount Standard Rack mount brackets included Compatible with AKCP's DIN and rack mount trays
Power	External 7.0 – 9 VDC 3A Power Adapter Input Voltage and Current ratings : 100V~240V - 1A Optional - DCW : external +/- 40~60V DC input
Power Consumption	Typical 6.150 Watt, 0.82A
Status Indication	LED indication for power LED for network connectivity LED for sensor online and threshold status LED for dry contact online and status
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability. CPU: AKCP i.MX25 Processor 128 MB On-Board NAND Flash HC SD Memory Slot on-board (up to 16GB)
Operating Environment	Temp : Min. -35° C – Max. +55° C Humidity : Min. 20% – Max. 80% (Non-Condensing)
MTBF	400,000 Hours
Connectivity	Ethernet 10/100 Mbps Optional Internal 3G/4G modem
Inputs	8x RJ-45 Sensor Ports 2x RJ-45 Expansion Ports 20x 2 Wire dry contacts (Input only up to 5VDC and up to 40VDC in opto isolated mode using internal jumper setting) 1x USB 2.0 Modem Port Audio In (Analog) 2.5 jack Internal Microphone RS485, 2 Pin Terminal box, (used for Modbus)
Outputs	Configurable output signals (0VDC/5VDC) on any of the 8 RJ-45 sensor ports Internal Speaker Out Ext. Speaker Out, 2.5" jack (Analog) Mic Out, 2.5 jack (Analog) (For modem application)
Expansion Boards	8 Port Intelligent Sensors Module (E-Sensor8) 16 Port Dry Contacts Module (E-opto16) (Maximum of 500 Sensors) Cabinet Control Unit (DCU) (Up to 25 Per Chain) Extendable up to 1,000 Feet or 300 meters Expansion modules are daisy chainable
Video - Analog	4x Analog Video BNC input, powered externally * resolution 320x240 or 640x480 * type : NTSC or PAL 4x PTDC controller ports
Video- HD Digital	4x AKCP High Definition Digital camera USB input resolution 320x240 or 640x480 4x PTDC controller ports