

## Longwatch Version 4.0 Product Family Specifications

Product Features and Options	RVE	Micro	LVE
<b>Product Features</b>			
Supports Analog Cameras	●	-	-
Supports Digital Axis IP Cameras	●	●	●
Number of Cameras	6 (4 Analog)	2	12
Video Storage (Days)	Up to 30	3 (expandable)	Avail HD
Audio DVR support	●	●	●
Video Resolutions Supported			
160 x 120, 320 x 240, 640 x 480	●	●	●
1280 x 768, 1280 x 1024	●	●	●
Max DVR FPS / Total FPS			
320 x 240	30 / 100	30 / 60	30 / 200
640 x 240	20 / 80	20 / 40	20 / 200
1280 x 1024	10 / 40	10 / 30	10 / 200
Analog 320 x 240	10 / 15	-	-
<b>Computer Hardware</b>			
PC Operating System	Embedded XP	Embedded XP	Windows XP Professional
CPU	1 GHz	500 MHz	Pentium 4 Min.
RAM	512 MB	512 MB	1 GB Min.
Internal Storage	IDE HDD	Flash	IDE/SATA/RAID HDD
Storage Size	250 GB	4GB (expandable)	Customer supplied
External Storage (USB, PCMCIA, Network)	●	●	●
Power Consumption	42 W	10 W	n/a
Watchdog	●	●	n/a
Operating Temperature	0 to +50 °C	-40 to +70 °C	n/a
NEMA-4 Enclosure, PC, Digital I/O, Pwr. Supply	●	n/a	n/a
<b>Digital Inputs</b>			
Built-in Digital Inputs			
Zone/Event Triggers	12	-	-
Arm/Disarm Input	●	-	-
HID Door Status Input	● (shared)	-	-
HID REX Status Input	● (shared)	-	-
Optional External Inputs (Modbus TCP)*			
Zone/Event Triggers	12	8	12
Arm/Disarm Input	●	●	●
HID Door Status Input	●	●	●
HID REX Status Input	●	●	●
IP Camera Input Triggers	4 DIs, Audio, Motion, No Video, Tamper	4 DIs, Audio, Motion, No Video, Tamper	4 DIs, Audio, Motion, No Video, Tamper

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Product Features and Options (cont'd)	RVE	Micro	LVE
<b>Digital Outputs</b>			
Built-in Digital Outputs			
User Event Outputs	4	In IP Camera	In IP Camera
Arm/Disarm Status Outputs	●	-	-
Manual Pulse Output	●	-	-
Alarm Warning Beeper	●	-	-
Watchdog Pulse Output	●	-	-
Door Strike Output	●	-	-
Optional External Outputs (Modbus TCP)			
User Event Outputs	4	4	4
Arm/Disarm Status Outputs	●	●	●
Manual Pulse Output	●	●	●
Alarm Warning Beeper	●	●	●
Watchdog Pulse Output	●	●	●
Door Strike Output	●	●	●
<b>Access Control</b>			
Maximum Access Control Points	9	3	16
Devices Supported			
ISONAS (Ethernet)	●	●	●
HID (RS-232) **	●	●	●
Essex Keypad **	●	●	●
<b>Communication Protocols Supported</b>			
TCP	●	●	●
UDP	●	●	●
Serial I/O (RS-232)	●	●	●
Modbus RTU / ASCII	●	●	●
BSAP	●	●	●
DF1	●	●	●
<b>Options</b>			
Access Control Package	●	●	●

**Notes:**

\* Supports either direct IO or external IO but not both at the same time. In-camera IO *can* work in parallel

\*\* Using the HID or Essex Keypad requires direct IO from the RVE for proper operation. Micro and LVE using HID or Essex keypad require external Modbus TCP IO module. Note: ISONAS Ethernet Readers have the IO built into the readers.

Access Point Inputs – door/gate status, Request to Exit (REX)

Access Point Outputs – strike control

External Arm/Disarm support (Keypad/HID reader) - Output for LED arm/disarm status, Output warning beeper on entry or exit.