NETWORK   POWER   SERIAL

ENHANCER

SDI OUT   SDI IN   CVBS OUT   CVBS IN

VIDEOINTELLIGENCE

ENHANCER
LONG RANGE IMAGE ENHANCEMENT

PASSION FOR **TECHNOLOGY.**

RHEINMETALL

Connect ENHANCER to your HD digital or analogue camera, or recorded source, for an instant performance boost to security, surveillance and situational awareness systems. A high performance, plug-and-play, real-time standard and high-definition video processor, ENHANCER applies REUK's best-in-class video enhancement technology, for a visibly improved video image.

KEY FEATURES

- High definition, real-time video enhancements
- **Digital Stabilisation**
- **Smart Contrast Enhancement**
- Connect HD digital, analogue and recorded sources
- Web-enabled GUI and VMS integration interfaces
- Improves imagery to increase operational effectiveness

APPLICATIONS

Using FPGA accelerated image processing techniques and the latest system-on-chip processing technology, **ENHANCER** unleashes powerful digital processing capability onto the live video stream: Digital Stabilisation can remove unwanted camera shake; Contrast Enhancement can boost visibility in low light or poor weather conditions. With a high quality slim line form-factor, and a choice of control interfaces, **ENHANCER** is a highly flexible addition to any vision system.

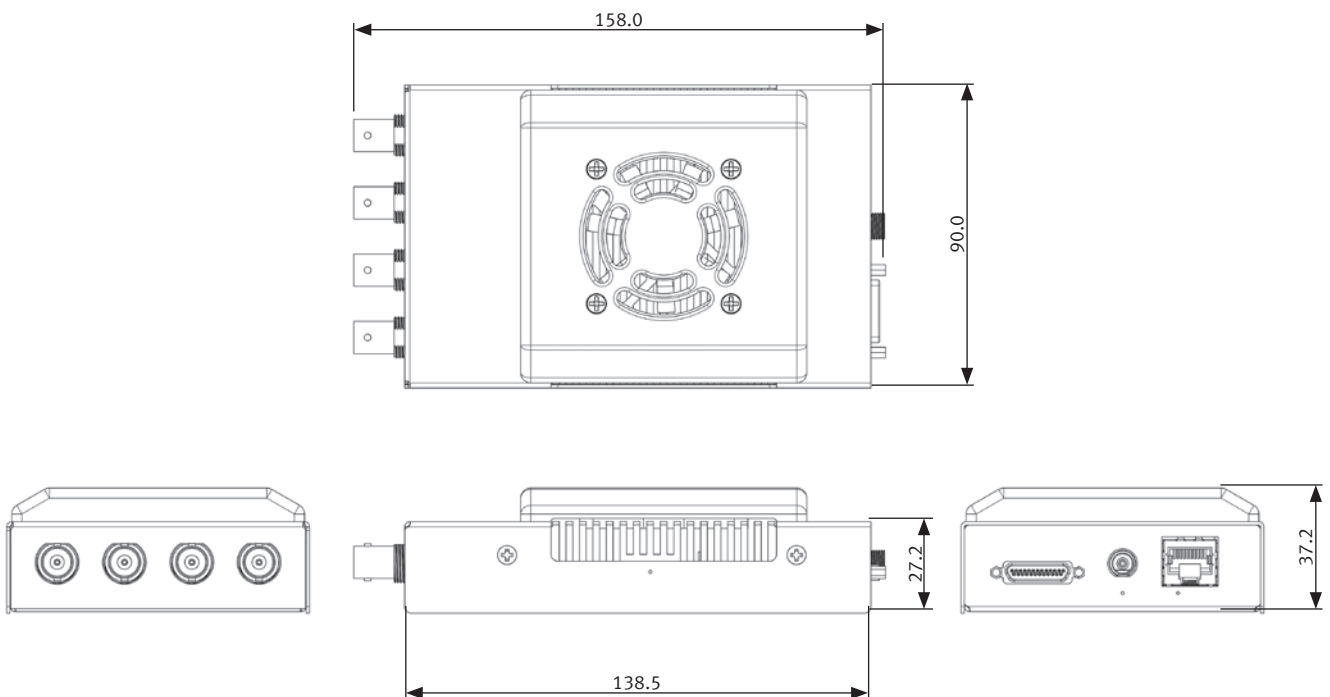| TECHNICAL DATA	
Enhancements	
Channels	Single HD-SDI or analogue channel
Digital Stabilisation	Up to 50 pixels X Y frame correction
	1–5 degrees frame-to-frame rotation*
Smart Contrast Enhancement	N.I.C.E., Histogram Equalisation & AGC
Video Processing	De-interlace, aspect ratio conversion digital zoom
Latency	100 ms (‹3 frames @ 30 FPS)
Input Interfaces	
HD-SDI	720p 50/60, 1080p 25/30
Analog	Composite PAL (NTSC on request)
Output Interfaces	
HD-SDI	720p 50/60, 1080p 25/30
Analog	Composite PAL (NTSC on request)
Control	
Control	Ethernet web GUI, control API, 2x RS232/422/485
Electrical and Physical	
Power	9–15V, 12V nom. ‹11W, mode dependent
Temperature	0 to 40°C
Boxed Weight	600 g
Boxed Size	158 mm x 90.0 mm x 37.2 mm

Compatible with a range of SMPTE digital video input standards, from 720 p to 1080 P via a HD-SDI input, **ENHANCER** also supports analogue input sources and displays. Video sources are auto-detected and the outputs, HD-SDI or analogue, will automatically display the imge. 75 Ohm BNC connectors are used for all video inputs and outputs. With a web enabled

GUI, or options for VMS or other host system integration via serial or Ethernet links, the user can also easily command the device to change source, output mode or control the enhancement functions as the application demands. Settings can be saved across power cycles for 'set and forget' operation.

ENHANCED

ENHANCED

158.0

90.0

138.5

27.2

37.2