

OBSCURA-2

Video Scrambling System

- **Cost effective, entry level video scrambling system.**
- **Robust static line cut and rotate video scrambling providing good picture concealment.**
- **User selectable key.**
- **DC powered with low current drain.**
- **Small, simple to install units.**
- **Ideal for safeguarding wireless links against reception by video scanners etc**



Obscura-2 is a low-cost video scrambling system designed to protect wireless video surveillance transmissions from casual interception.

Obscura-2 utilises static line cut and rotate video scrambling offering a high level of picture concealment coupled with excellent link compatibility. To enhance security, the cut point sequence used is randomly changed each time the system is powered up.

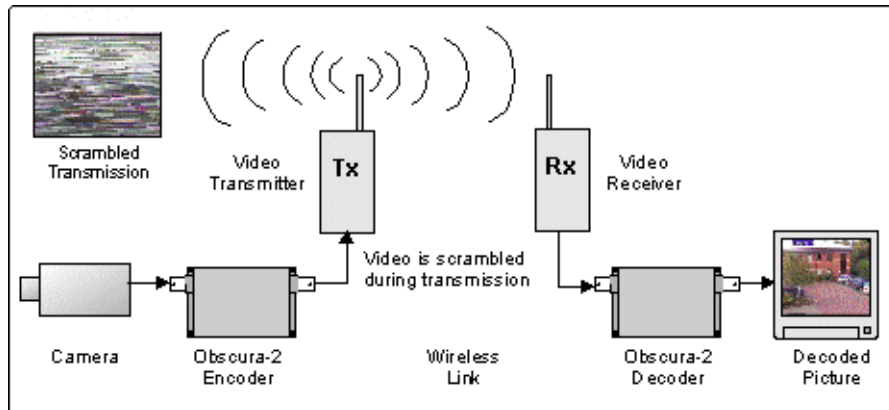
Obscura-2 is extremely simple to install. The encoder is inserted into the video path to the transmitter whilst the decoder is connected to the output of the receiver. Only a DC supply of 7 to 32 volts is then required to operate the system. Obscura is also suitable for long term battery operation, drawing less than 50 mA from a 12 volt supply.

Each Obscura-2 video scrambling unit includes two scrambling keys. An internal group key, allocated in the factory, and a second user key that is set by four hex switches on the side of the unit. Only if both the encoder and decoder group and user keys match will the system be able to descramble the transmission.

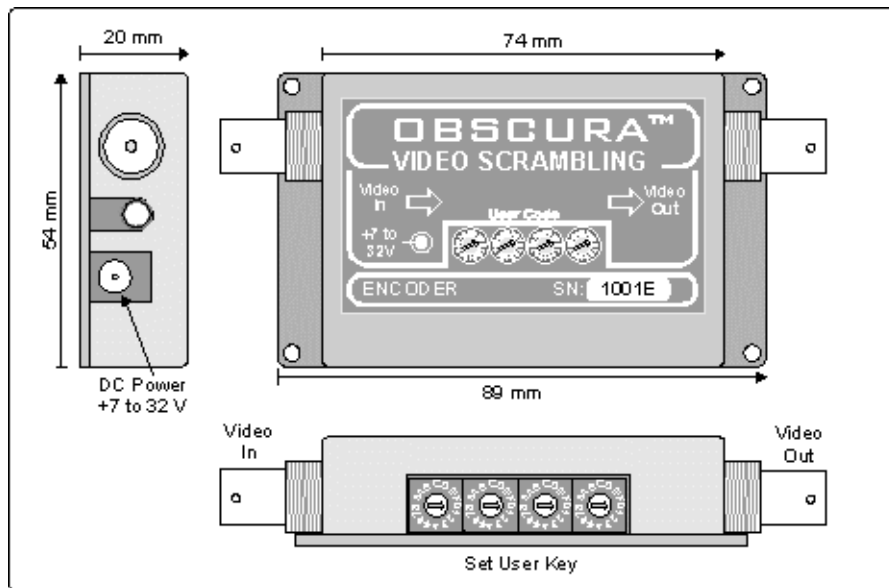
The Obscura-2 video scrambling system is ideal for safeguarding wireless video security links from

reception by scanners and other microwave video receivers.

System Diagram:



Dimensions and Interfaces:



Specifications:

Outline Specifications:

Mechanical size (ex connectors)	89 x 54 x 20 mm
Mechanical size (inc connectors)	110 x 54 x 20 mm
Operating temperature range	-10 to + 55 deg C
Finish	Anodised aluminium
Weight	125g (approx).
DC power requirement	7 to 32 V DC at < 0.6 Watts

	(e.g. < 50 mA at 12 V).
Standard accessories	User guide, DC power lead.
Video:	
Video standards supported	PAL
Video connectors	BNC
Video input / output levels	1 Vpp 75 ohm.
Video scrambling method	Static line cut & rotate
Lock-in time	< 500mS
Encryption	Fixed sequence with random start point at power up.
Signal to noise ratio	> 55 dB (weighted)
Audio	Not Supported

Due to continual product development Ovation Systems reserve the right to change specifications without notice. E&OE.