

MGT Portable Receiving Case

RC 105



The RC 105 is a high quality, portable, professional audio/video receiver, monitor and recorder, all built to the highest technical specifications.

A rapid deployment system for use in VIP protection and other security operations, both covert and overt, the equipment is housed in a rugged Pelican case, providing a high degree of protection during transit and from the environment upon deployment.

A selection of cameras is available for the camera positions, depending upon the main use which is envisaged for the equipment.

Incorporating a choice of Hi 8 or DV recorder, the RC 105 will receive and record high quality audio or video images in the adjustable frequency range of 900MHz to 3.2GHz continuously in two bands.

Optional real-time video motion detection can be incorporated in the receiving section.

As well as operating on its own internal batteries, the RC 105 can be powered from the mains, car battery or other external supply.

Specification RC 105	
	<i>Receiver</i>
Frequency range	900MHz to 3.2GHz continuously in two bands
Programmable steps	1MHz digital
Noise	10dB
Input impedance	75Ω connector F female
IF bandwidth	27/16MHz SAW filter 479.5MHz
Video deviation	±4MHz (±8.5MHz max), +ve/-ve switchable
Video output	1Vpp on 75Ω adjustable (PAL, NTSC or SECAM)
De-emphasis	standard CCIR switchable
Video frequency response	50Hz–5MHz ±1dB with audio at 7.5MHz ±2dB with audio at 5.5MHz
Differential gain	±4%
Differential phase	±4%
Video S/N ratio	>40dB unweighted deviation = 4MHz RF input 50dBm
Audio sub-carrier frequency	5.5MHz–7.5MHz switchable
Audio sub-carrier deviation	±50kHz FM
Stereo version	8.065MHz Ch1, 7.500MHz Ch2
Audio de-emphasis	50μσ
Audio frequency response	50Hz–15kHz ±3dB
Audio output	0dBm on 1kW adjustable
Audio S/N ratio	>45dB unweighted

Units can be tailored to customer requirements, from one channel to multi-channel receivers and automatic video recording. The modular units can be built into a variety of cases, racks or boxes.

Options:

- multi-channel remote control
- digital telemetry
- video and audio encryption
- digital REAL motion sensing technology