



Rapier 45

PROGRESSIVE SCAN 12X ZOOM OVERVIEW CAMERA



Progressive Scan Mode
Interlaced Video Output
Long Life Performance

HIGH RESOLUTION ANALOGUE

The Rapier 45 overview camera uses a standard definition 12x zoom camera with the option to operate the camera in progressive scan mode. Progressive scan mode allows images to be captured as a full sensor image that is output as two fields of interlaced video.

When viewed, this format will contain double the vertical image elements without any time delay between adjacent interlaced lines. In this way, moving objects can be displayed in higher definition than standard interlaced video modules.

By utilizing the interlaced video output, the camera offers the capability for images to be captured in full D1 quality by frame grabbers and video encoders alike. The camera's housing is fully sealed to IP68 and purged for long life performance.

RAPIER 45 OVERVIEW

Specification	RAPIER 45 OVERVIEW CAMERA
Optics	12x optical zoom, equivalent to f=3.7 to 44.4mm, HFOV 54° (Wide) to 4.6° (Tele), F1.6 to F28.
Sensor	ExView HAD 752(H) x 582(V) effective picture elements (440,000 total), 550 TVL.
Image Format	PAL video 1V p-p 75Ω CVBS, Interlaced (50ips)/Progressive Scan (25ips), Day/Night IR Cut filter for Colour/B&W (Auto/Manual)
Image Features	1/50 th to 1/10,000 th , Electronic Gain/AGC -3dB to +28dB with max gain limit, Flip, Mirror
Light Sensitivity	Colour Overview 0.9 Lux Colour / 0.01 Lux B/W (Full Auto/Manual).
Connectivity	1 off 12 way Hirose HR30 or Binder 720 – 1 x video, 1 x sync, 1 x Power and 1 x RS232.
Protocols	AVML and VISCA.
Operating Voltage	10-15VDC.
Power Consumption	Nominally 12W.
Physical	76mm cylindrical x 114 mm long – excluding connector, brackets and sunshield.
Enclosure	IP68 hermetically sealed hard anodised aluminium in black or clear aluminium.
Temperature	-20°C to 50°C operating.
Options and Accessories	
Cable harness sets	The camera is fitted with high-grade locking connectors with a choice of Binder 720 or Hirose HR30 types, the latter being compatible with other standard Rapier cabling and splitters. The unit is powered by 12VDC power and has analogue video output and RS232 for setup of the analogue zoom camera.
Brackets	A range of metal cradles, brackets and sunshields are available. Modified and bespoke metalwork can be designed and supplied to meet specific demands. Sunshields are available in a variety of construction techniques and sizes.