

MFR-DB55-ENC Kit

A Dual Optical & Thermal PTZ Camera

The MFR-DB55-ENC is a rugged dual-band PTZ camera combining high-definition optical and thermal imaging within an environmentally sealed IP67-rated aluminium housing. Designed for reliable operation in harsh environments, the system incorporates a Sony HD camera with 30x optical zoom and a 63.7° wide angle of view, alongside a FLIR thermal camera with 8x digital zoom and spot metering.

Zoom-corrected pan and tilt speeds provide precise control throughout the full zoom range, with pan speeds of up to 100° per second. Absolute position feedback allows the camera to maintain accurate positioning, while user-defined presets enable PTZ framing and camera profiles to be quickly recalled.

The MFR-DB55-ENC provides ONVIF Profile S & T compliant IP video with H.265 and H.264 encoding, multiple streaming options and image down-scaling to accommodate bandwidth limitations. Remote camera control is supported via VISCA over USB or RS232/RS485, providing flexible integration into professional surveillance and monitoring systems.

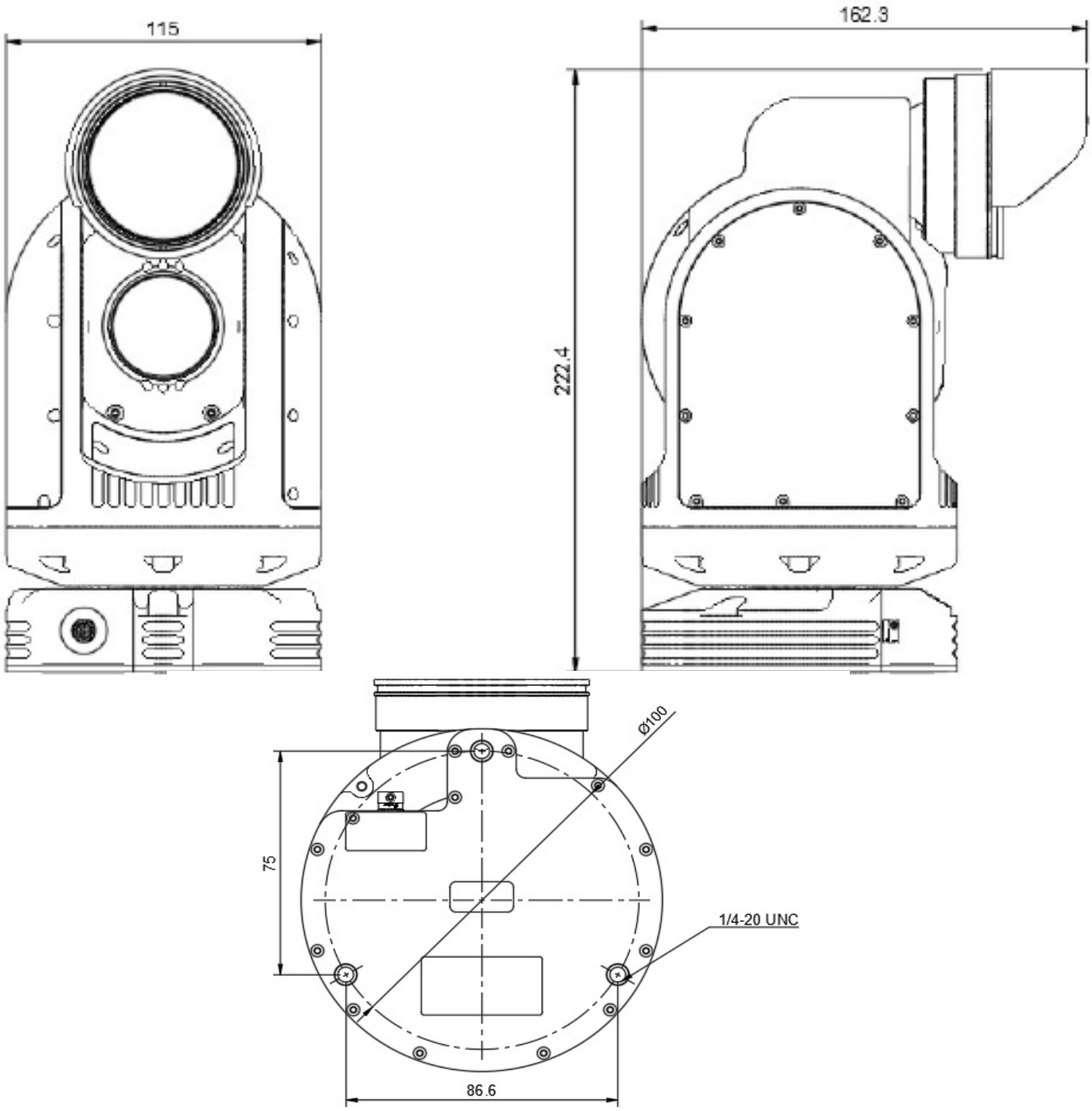
Overview
Dual optical & thermal imaging
30x optical zoom
IP67 Rated
Aluminium Casing
8x thermal digital zoom
Pan speeds up to 100°/sec
Absolute position feedback
H.265 & H.264 encoding
ONVIF Profile S & T compliant
USB & RS232/RS485 control

Kit Part Number
110-6212

Kit Contents
MFR-DB55-ENC Camera
Power & Ethernet Cable
Power & Comms Cable
USB Memory Stick
Power Supply
Peli Flight Case

Specifications			
Optical Sensor	1/2.8” Type CMOS	Video Streaming	RTSP, UDP, RTP, RTMP
Optical Sensitivity	< 0.05 Lux, ICR On	ONVIF	Profile S & T
Optical Resolution	1920 x 1080 Pixel	H264 Video Profile	High, Main, Baseline
Optical SNR	> 50dB	Serial Protocol	VISCA
Optical Field of View	63.7°	Serial Comms	USB, RS232/485
Optical Zoom	30x	Pan Range	360°
Thermal Resolution	640 x 512 Pixel	Tilt Range	170°
Thermal Lens	55mm	Connector	Fischer MiniMax
Thermal Field of View	8°	Environmental	IP67
NEdT	< 40mK	Weight	3.4kg
Thermal Spot Metering	Enabled	Dimensions	ø115 x 206 mm
Video Codec	H265 (HEVC) H264 (AVC), MJPEG	Casing	Aluminium

Dimensions



Visual Engineering Technologies LTD
Kemps Farm
Stanway
Colchester
Essex
CO3 8NB
UK

British Assessment Bureau
ISO 9001
QUALITY MANAGEMENT

Product specifications subject to change without notice

Tel: +44 (0)1206 211842
Web: www.visualengineering.co.uk
Email: sales@visualengineering.co.uk