

X2

COMBAT



The **X2-COMBAT™** rugged, ball **3 Megapixel** PTZ camera is designed for tough, outdoor, surveillance applications. It has a die-cast aluminium body which is anodised and then powder coated to **Marine-Grade**, making it resistant to vandalism and environmentally tough. It has a **long-life silicon wiper** as standard and high-efficiency, **long-range adaptive white-light and IR LED illumination**, for exceptional night-time and low-light operation.

The X2-COMBAT™ has an extensive range of features including four video streams for recording, visualisation, set-up and servicing; **H265, H264** and MJPEG compression; optional **256GB maximum SD card**-based edge storage; **ONVIF** compliance to **Profile S, G and Q**; 400 pre-sets, 12 tours, 12 scans, 6 tracks and 20 privacy masks; alarms, motion detection, intelligent analytics and tracking; and its operating temperature range is **-40°C to 70°C**. A **90W PoE version (802.3bt)** offers quick and easy connectivity via RJ45 socket, operating over a full 100m Cat 5e span.

The X2-COMBAT™ comes standard with a 4" PCD mount, with clearance holes suitable for up to M8 bolts. A complete range of brackets, mounts and cable extensions are also available, which are zinc plated and then powder coated. Marine finish is standard on X2.

The X2-COMBAT™ and its mounts are available in light grey (RAL 7035) or black (RAL 9005) powder-coat paint as standard, or they can be ordered in **any bespoke colour from the RAL range**.

Redvision is the UK's leading manufacturer of high-performance CCTV cameras and housings. They are used extensively in many applications, including public space, commercial, industrial, marine and MOD.

RVX2 Product Codes

Product Code
(G: Light Grey B: Black)

Product Description



RVX2-G	30:1 Zoom 3MP Rugged PTZ, WIPER - Light Grey
RVX2-B	30:1 Zoom 3MP Rugged PTZ, WIPER - Black
RVX2-ALM-G	30:1 Zoom 3MP Rugged PTZ, 4 alarm in, 2 alarm out, WIPER - Light Grey
RVX2-ALM-B	30:1 Zoom 3MP Rugged PTZ, 4 alarm in, 2 alarm out, WIPER - Black
RVX2-POE-G	30:1 Zoom 3MP Rugged PTZ, POE 90W (802.3bt), WIPER - Light Grey
RVX2-POE-B	30:1 Zoom 3MP Rugged PTZ, POE 90W (802.3bt), WIPER - Black
RVX2-IR-G	30:1 Zoom 3MP Rugged PTZ, IR Lights, WIPER - Light Grey
RVX2-IR-B	30:1 Zoom 3MP Rugged PTZ, IR Lights, WIPER - Black
RVX2-ALM-IR-G	30:1 Zoom 3MP Rugged PTZ, 4 alarm in, 2 alarm out, WIPER - Light Grey
RVX2-ALM-IR-B	30:1 Zoom 3MP Rugged PTZ, 4 alarm in, 2 alarm out, WIPER - Black
RVX2-POE-IR-G	30:1 Zoom 3MP Rugged PTZ, POE 90W (802.3bt), IR Lights, WIPER - Light Grey
RVX2-POE-IR-B	30:1 Zoom 3MP Rugged PTZ, POE 90W (802.3bt), IR Lights, WIPER - Black
RVX2-IRWL-G	30:1 Zoom 3MP Rugged PTZ, IR+White Light, WIPER - Light Grey
RVX2-IRWL-B	30:1 Zoom 3MP Rugged PTZ, IR+White Light, WIPER - Black
RVX2-POE-IRWL-G	30:1 Zoom 3MP Rugged PTZ, POE 90W (802.3bt), IR+White Light, WIPER - Light Grey
RVX2-POE-IRWL-B	30:1 Zoom 3MP Rugged PTZ, POE 90W (802.3bt), IR+White Light, WIPER - Black
RVX2-ALM-IRWL-G	30:1 Zoom 3MP Rugged PTZ, 4 alarm in, 2 alarm out, IR+White Light, WIPER - Light Grey
RVX2-ALM-IRWL-B	30:1 Zoom 3MP Rugged PTZ, 4 alarm in, 2 alarm out, IR+White Light, WIPER - Black

Options:

-SD (256GB), - Polycarbonate Window (specify upon ordering)

Camera Specification	
Camera module	3MP 30x optical zoom, , 1/2.8 CMOS Low-Light sensor, True-ICR
Lens	4.5mm ~ 135mm FOV: 59.8° (Wide) ~ 2.3° (Tele)
Sensitivity	Colour: 0.01Lux @ F1.2 Monochrome: 0.0001Lux @ F1.2 (AGC ON)
Shutter Speed	Auto, 1-10,000/s
Iris	Auto/ Manual
Noise Reduction	3D Digital
Image Enhancement	dWDR, BLC, HLC, Defog
Digital Image Stabilisation	Yes
P/T Range	Pan: 360° continuous Tilt: 150° (Cantilever function gives 180° view range)
P/T Speed	Pan: 180°/sec Tilt: 90°/sec
Privacy	20 Masks, individual colour choice
Preset Positions	400
Preset Tours	12
Autopan Scans	12
Mimic Patterns	6
P/T Coordinates	Yes, OSD Display

Video Streaming	
Video Compression	H.265, H.264, MJPEG
Streams	3 + Service Stream
Resolutions	Stream 1: 2048 x 1536 (3MP), 1920 x 1080 (2MP), 1280 x 720 (1.3MP) Stream 2: D1, VGA, 640 x 360, CIF, QVGA Stream 3: VGA, CIF, QVGA
RTSP Video	RFC2326, Supports VLC & QuickTime
FPS	30fps max.
Bitrate	Stream 1: 500kbps ~ 12Mbps Stream 2: 100kbps ~ 6Mbps Stream 3: 100kbps ~ 6Mbps
ROI	Yes

Network Interface	
Interface	Ethernet RJ45, 10-100Base-T connection, T568A 10/100 Mode B
Supported Protocols	IPv4, HTTP, HTTPS, 802.1x, TCP, UDP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, SNMP, DNS, UPnP, FTP, ICMP, IGMP, Unicast/ Multicast
Languages (Web interface)	English, French, Italian, Spanish, Russian
ONVIF	Profile S, G, Q
Edge Storage (optional)	Up to 256GB
Security	Base-64 authentication, HTTPS (SSL), 802.1x, IP Address Filtering

Events	
Alarm I/O	4 in, 2 out
Intelligent Motion Tracking	Yes
Event Notifications/ Actions	Email (5 recipients), FTP Upload, SD Event recording, alarm output, live stream display, mobile app push notification.
Intelligent Analytics	Perimeter, Virtual Fences, Loitering, Objects left/Removed, Speed, Illegal Parking, with scene calibration and scheduling, email recipients upon event, FTP upload, record event to SD, ONVIF event notification and video overlay.
Motion Detection	Detection grid, scheduling
System Events	SD, Network issue, ICR Switch

Electrical & Physical	
Power Supply	24VDC via RVX2 PSU module; input 100~240VAC 50/60Hz. PoE Version: RJ45 socket, takes power & data (90W)
Power Consumption	24VDC: 50W. PoE: 90W (LED models)
Dimensions	Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm
Weight	5.2kg without lamps, 5.8kg with lamps
Operating Temperature	-40°C ~ +70°C (Light colours only, Black: 50°C)
Impact rating	Meets IK10 standards (with Polycarbonate window fitted)
Corrosion Testing	ASTM B117 1000 hour Salt-Spray Test
Ingress protection	Meets IP67 standards
Vibration testing	TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh
EMC	EN 55032:2015 EN55035:2017 Class A
Camera body	Marine finish as standard, Aluminium, die-cast alloy, with anodised, powder-coated finish
Colour	RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order.

Lighting & DORI	
Illumination Range	IR (850nm) to 300m White Light to 250m
DORI Category	Distance covered
Detection	IR Light: 300m White Light: 250m
Observation	IR Light: 250m White Light: 200m
Recognition	IR Light: 150m White Light: 150m
Identify	IR Light: 75m White Light: 75m



- Tough, rugged camera, Marine-Grade finish as standard
- PoE 90W (802.3bt) Version available
- Adaptive White Light and IR (zoom-linked) operation
- Intelligent, Auto- PTZ Tracking
- SD Card recording option, up to 256GB.
- VMS Integration, including Redvision VMS1000™
- Rugged Mounting Bracket Options
- Brushless Stepper Motors for Resilience and durability
- ONVIF Compliant



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