



XACT-SE

Add-On Colour Head-Up Display

Key Features

- Full colour OLED data display
- Day/night operational
- Net-centric device - connect and display data from any external source
- Lightweight and compact
- Automatic and manual display brightness control
- Versatile and adaptable - fits any 16mm/18mm NVG System
- Superior image quality
- MIL-STD Qualified

Instro's unique XACT-se head-up colour display (HUD) enables effective day and night operations for enhanced mission effectiveness. The versatile add-on system fits any 16mm and 18mm night vision goggles system (NVG).

XACT-se enables the user to view tactical data (including augmented reality) during day and night with superior image quality and full colour display. Night operation is possible with any NVG and in daylight operation the system operates as a see-through device.

The system comprises an electronic unit (HU - Helmet Unit) and a tactical add-on optic unit (EU - Eyepiece Unit). The add-on HUD easily attaches to any NVG, without tools. The XACT-se provides self-orientation data and navigation capabilities, using the helmet unit's (HU) built-in sensors, in standalone mode. The versatile HUD easily integrates with C²/C⁴I systems and other external devices such as weapon sights, vehicle computers, thermal cameras (fusion capability) and more.

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Eyepiece-Unit (EU)

Weight (approx)	90g (0.20lbs)
Dimensions	64 x 92 x 47mm
Luminance	0 - 1500 fL
Resolution	1280 x 720
Refresh Rate	60 Hz
Aspect Ratio	16:9
FOV	32.5° x 18°
Eye Relief	≤ 18mm
EMB	10.5mm x 6mm
Transmission	80%
Diopter Adjustment	+2 to -6

Helmet-Unit (HU)

Weight (approx)	100g (0.22lbs)
Dimensions	84 x 51 x 27mm
Communications	USB2.0 / Serial RS422
Wireless	WiFi 802.11
Bluetooth	BT 4.2 / BLE
Video Input	PAL/VGA/GMSL/USB
Power Source	5V USB / 3.6V Battery
Storage	16GB (64GB option)
GPS	Accuracy - 2.5m
Compass	Accuracy - ±1°
Light Sensor	For display brightness

**Night and Day
Operation**



instro

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