

# Product Summary

## *Black Opal Xtreme Air 12* Airborne Special Flat Panel Display



**X**TREME  
AIR 12

*“Born to fly.”*

### Suitability

dedicated to use in helicopters;  
reduced weight and cost;  
versatile mounting options;  
designed to withstand vibration, shock, and  
extended temperature operation, EM shielded.

### Display

12.1" 4:3 LED backlit LCD, 1,024 pixels x RGB x  
768 lines (XGA) resolution, 18 bit (262k) colour  
scale, 8 bit (256) grey scale.

### I/O (MultiVision system)

inputs up to 4 low res'n + 6 high res'n + 1 SDI;  
display up to 6 channels simultaneously;  
outputs up to 2 SDI + 1 analogue video.

### Image processing

enhance function for smoke, rain, fog, etc;  
freeze frame;  
adjustable digital zoom;  
colourisation;  
overlay capability (chroma keying).

*Black Opal airborne special -  
helicopter dedicated design,  
12.1",  
high brightness,  
XGA resolution*

### Dimensions

width	293.5 mm;
height	249.1 mm;
depth	67.5 mm;
mass	3.3 kg.

### Readability

readable in full direct sunlight (10<sup>5</sup> lux) (backlight  
adjustable to over 1,000 nit);  
readable with night vision devices (adjustable low  
intensity backlight, green or red selectable);  
backlit buttons (adjustable, green or red selectable);  
anti-reflection coated window.

### Power

18 to 33Vdc input (28V nominal).

### Comms

RS-232 and RS-422.

### Mounting

panel mount 4 x 4.5mm dia. holes in corners;  
side mount 4 x M4 tapped holes, 8mm deep,  
on each side;  
rear mount VESA 75 type, 4 x M4 tapped  
holes, 8mm deep.

### Options (order qty dependant)

comms	Baud rates;
recording	internal DVR (SD) module;
SBC	Gumstix based;
touchscreen	5-wire resistive.



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