

## C-VISION HD®

**Portable, Waterproof, Robust and now in High Definition!**

The C-Vision HD, High Definition Camera and Recording System from C-Tecnicos is a complete package of equipment that allows for the real-time viewing and recording of full high definition camera images onto magnetic hard disk drive, with the addition of a live on-screen display of serial data fields such as GPS data, or ship's survey NMEA data-stream. The system also incorporates two high intensity LED lamps and two laser pointer modules. All power and functionality to the camera, lights and lasers is provided through a single umbilical which is split out subsea using a subsea pressure pod.

### Physical

Dimensions 490 x 390 x 230mm  
Weight 14kg  
IP rating IP65  
Case Hardigg Storm case  
Supply 110-230V, 50/60Hz, 600W max  
Temperature - Operating -20°C to +60°C  
Temperature - Storage 0°C to +50°C  
Keyboard & Mouse Inbuilt, IP68 84 Key keyboard with integrated pointer

### Display

Size 15.4" WXGA LCD Panel  
Resolution 1280 x 768 Pixels  
Contrast 700:1

### Optical

Luminance 470cd/m2  
Viewing Angles Horizontal: 85° left & right;  
Vertical: 85° Up & Down  
Interface LVDS, 18-bit, MSL High.  
Backlight Edge light type, 4 CCFL without inverter

### Processor

Type Embedded Motherboard with Intel Atom N270 Processor, 1.6GHz, FSB 533MHz  
SATA x 2, USB x 8, COM x 6, LPT x 1, PCI x 1, Mini PCI x 1  
VGA, TV-Out, LVDS (18-bit dual channel), DVI-I  
Hard Disk Drive Single 640Gb SATA drive, partitioned as 40Gb System and 600Gb Recording drive.  
Operating System Microsoft Windows XP Embedded

### HD Video

HD Video Input HD Component (Y, Pr, Pb)



**C-Tecnicos Ltd.**

123 Ashgrove Road West, Aberdeen, AB16 5FA, Scotland  
Tel: +44 (0) 1224 666 322 Fax: +44 (0) 1224 692 222  
info@c-tecnics.com

**www.c-tecnics.com**

## C-Vision HD Surface Control Unit

The SCU equips the operator with a compact single control station, providing control over all functionality of the system. The complete SCU is incorporated into a single medium sized briefcase style carry case which weighs only 14kg! The system has excellent protection against the elements and is packaged for optimum portability and robustness. It also boasts a 15.4" screen which C-Tecnic's have specifically chosen for its notable brightness and viewing angle characteristics. The SCU features control of two C-Tecnic's "Tetra" laser pointer modules for scaling of subsea structures and variable control of two C-Tecnic's (CT-4003) LED lights for optimum illumination. Zoom and Focus controls for the HD Camera come as standard as does a host of live video stream and data transfer ports to easily download recorded files to external hard disk or to a network.

At the front line of the system stands the new C-Tecnic's Mantis HD Camera. The Mantis (CT3009) is an extremely compact, colour zoom and focus high definition camera. The 1/3-inch CMOS sensor provides exceptional picture quality with the highest level of resolution. The camera provides a full 1080i HD output signal (in HD mode), and incorporates a 10x optical zoom. The camera has been designed to be as compact as possible but still provide the highest quality of picture for all subsea viewing applications. The standard output signal is HD component, allowing for easy interconnection and compatibility with displays and recording equipment.

