

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

The C-Vision HD, High Definition Camera and Recording System from C-Tec 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  
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**

AUO 15.6" Full HD LCD Display, 1920 x 1080,  
800:1 Contrast Ratio, 400nits Brightness

**Optical**

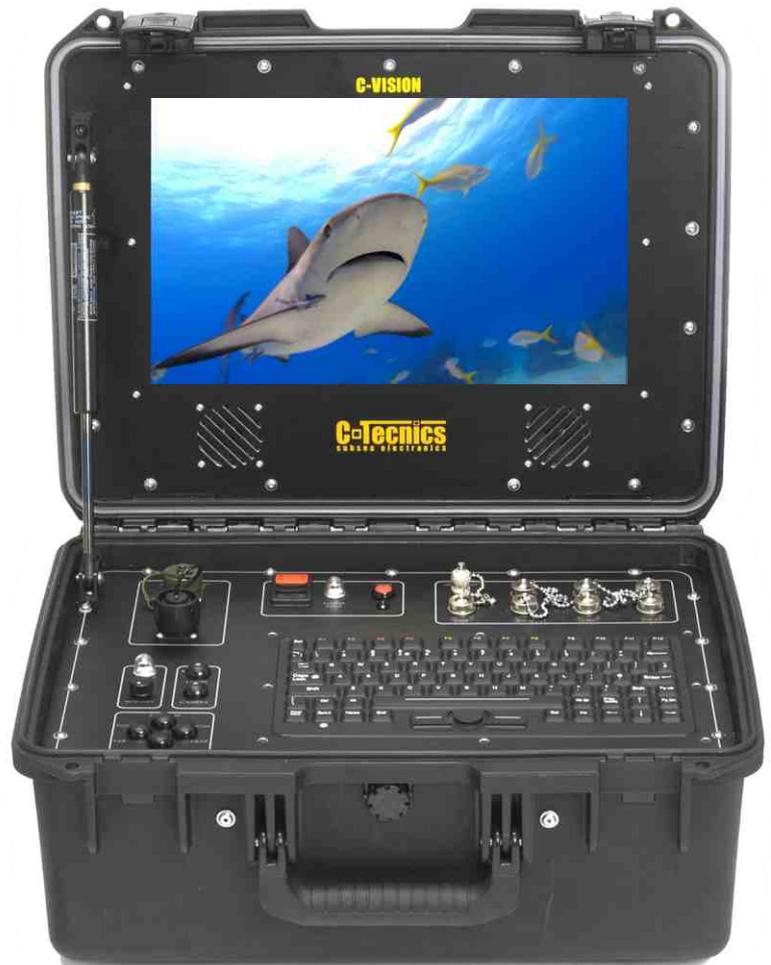
Luminance 470cd/m<sup>2</sup>  
Viewing Angles Horizontal: 85° left & right;  
Vertical: 85° Up & Down  
Interface LVDS, 18-bit, MSL High.  
Backlight Edge light type, 4 CCFL without inverter

**Motherboard and Processor**

Mini-ITX SBC with LGA1151 Socket 6th Gen.  
Corei7/i5/i3/Pentium/ Celeron CPU, DDR4, 6COM,  
4USB2.0, 2LAN, HDMI/DisplayPort/VGA/LVDS/ eDP  
Intel Core i7-7700 3.6GHz CPU, Skt 1151, 8MB Cache, 65W  
8GB DDR4 2133MHz 288-pin DIMM Memory  
Samsung Evo 850 Series 500GB 2.5" SSD  
Operating System Microsoft Windows 10 64-bit

**HD Video**

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



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-Tec have specifically chosen for its notable brightness and viewing angle characteristics. The SCU features control of two C-Tec CT4005 laser pointer modules for scaling of subsea structures and variable control of two C-Tec (CT4004) 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-Tec CT3017 Mini HD Camera. The CT3017 is an economical, extremely compact, colour zoom and focus high definition camera. The 1/2.45-type Exmor CMOS sensor provides exceptional picture with the highest level of resolution. The camera provides a full 1080i HD output signal (in HD mode), and incorporates a 10x digital 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-SDi with other options available.

## Accessories

**CT3017 Compact HD Camera**



**Subsea Junction Pod**



**CT4004 LED Lights**



**CT4005 Subsea Lasers**

