

## RCP-920

Remote Control Panel



## Overview

The RCP-920 is a new remote control panel for use with BVP-E30 series and HDC-1500 series cameras. Designed especially for live production use, this RCP includes direct access to master gain, optical filters, and scene files. These, together with RGB black and white level adjustments and joystick control of iris and master black, provide fast, simple access to the most frequently used camera functions. Dedicated switches are provided for many on/off controls, and an LCD menu display and rotary encoders enable access to many other control adjustments.

#### **Optimised control panel for live production**

The RCP-920 shares the same overall size and general construction with the RCP-750/751, and the main control layout is very similar, so that users will be readily able to adapt to this newer panel design. However, the RCP-920 panel has been designed to speed up the access to the most frequently used functions.

#### **Direct access to Gain and optical filters**

In live operation, especially for sports use, camera vision operators frequently have to cope with rapidly changing lighting conditions. On the RCP-920, switches and indicators are provided for Master Gain and ND/CC Filters, allowing quick access without going through a series of menus.

#### **Direct Scene File Controls**

Up to 5 scene files can be stored and recalled using the panel buttons.

## Features

#### **RGB Painting Controls**

RGB White and black balance controls are provided, together with two additional rotary controls. These are normally used for Detail and Black Gamma control, but may be assigned to other functions using the configuration menu. The RGB black level controls may alternatively be used as flare controls, according to operator preference.

#### **LCD display for Painting Functions**

The RCP-920 is designed to provide simple day-to-day operational control, and the panel includes fast access to those functions that will be required. In order to access additional functions which may be occasionally required, the panel also includes three rotary encoders that can be assigned to various functions using an LCD menu.

#### **Colour Temperature Control**

The LCD Display function allows direct single knob control of Colour Temperature. This provides an alternative to conventional RGB colour painting, and can be very useful in rapidly changing lighting conditions

#### **Joystick Control for Iris/Master Black**

The RCP-920 includes a joystick control of Iris and Master Black, together with LED readout of the corresponding settings. The control sensitivity can be changed to suit studio or OB operation. As an alternative, the RCP-921 has dial-type controls of Black and Iris.

**Preview Function**

The RCP-920 includes a joystick override function to provide a Preview function if required.

**Optical Level Condition Indicators**

When used with the HDC-1000 and HDC-1500 cameras, the RCPs include indicators for the fibre transmission system status, duplicating the similar indications found inside the HDCU-1000 and 1500. These can warn of faulty cables or connectors, giving users the opportunity to take the necessary steps to ensure optimum signal quality and reliability. There are two LEDs, one showing transmission from Camera to CCU, the other for CCU to Camera. Each LED is a three-colour type, and will normally be illuminated Green. Once the optical signal level falls below a threshold, either due to an excessively long cable, or due to dirty optical contacts, the indication will change to Yellow, to provide a warning. If the level falls further, the LED will change to RED, indicating that the level is too low for satisfactory operation.

**Panel Configuration**

The LCD display includes a configuration menu, which allows the Paint functions (section 0 above) and the various switch functions to be redefined, according to user preference. As a result, users can configure the panel to provide the level of functionality they need. The configuration menu also allows the user to change the brightness of the switch illumination, buzzer volume, and to configure IP settings.

**Ethernet Control Interface**

The RCP-920 includes the conventional 700 Series control interface, using CCA-5-xx cables, which allow connection to CNU-700, CCU-590/790 and HDCU-1000/1500, as well as to various legacy systems such as CCU-550/700 and HDC-900/950. In addition, these new RCPs also include an Ethernet interface, to provide additional system flexibility. When combined with an MSU-900/950, the RCPs can be connected to an Ethernet switch, which replaces the CNU-700, to provide full IP control. The RCP Ethernet interface includes PoE (Power over Ethernet), allowing the RCP to be powered from a suitable Ethernet switch.

Specifications

Generic Specifications	
Power requirements:	DC 10.5 to 30 V DC
Power consumption:	4 W max.
Maximum cable length:	200 m with CCA-5 cable connection
Mass:	1.8kg
Dimensions:	(w/h/d, excluding projections) RCP-920 102 mm x 310 mm x 67 mm (w/h/d, including projections) RCP-920 102 mm x 310 mm x 125 mm

## Gallery

