

# High-Sensitivity Super Lolux Color, Extended Dynamic Range Color 1/3" CCD Cameras

## TK-C1480U/TK-C1460U

TK-C1480U and TK-C1460U

- High-resolution equivalent to 480 TV scan lines
  - Totally new 1/3-inch IT CCD delivers clear pictures without image lag or geometric distortion. With a signal-to-noise ratio of more than 50 dB, the cameras produce crisp images with very precise color reproduction. High-sensitivity is also excellent so that no detail is missed even under low light conditions (0.4 lux at F1.2 and 0.025 lux at 32x slow shutter).
  - Powerful Digital Signal Processor (DSP) with Extended Dynamic Range (100x) lets users shoot in dark and bright locations.
  - JVC's exclusive Super Lolux enables the camera to shoot high-quality images in light as low as 0.4 lux with minimal noise. This is the lowest level ever of darkness where the TK-C1480U can see far better than the naked eye. (See special lowlight infrared feature of the TK-C1460U below.)
  - Bright portions in shooting area are shot with a high-speed shutter exposure, while dark portions are shot with normal exposure. Both of the images read in are then synthesized to output a single image that includes distinguishable bright and dark portions. Therefore, the camera is compatible with a wide range of scenes such as the entrance of a building where a difference in illumination tends to be encountered due to the varying effects of the external light on the entrance, and a place where a subject can be backlit due to the direction of lighting, etc.
  - RS-422A/RS-485 terminals offer multi-system remote control compatibility
  - Motion detector function detects the motion inside an image and emits alarm signals.
  - INT/EXT (Full genlock)/LINE LOCK opens up a wide array of shooting options with connectors for BB or VBS (BNC) sync input.
  - To ensure optimum white balance under a wide range of color temperatures, there are four white balance modes – Auto (Wide), Auto (Narrow), Manual, and A.W.C.
  - To assure accurate color reproduction under a variety of lighting conditions, AWC and ATW automatically make adjustments whenever necessary, ensuring that correct white balance is maintained at all times – even when the color temperature of the light source is changed.
  - Wide-range Automatic Electronic Shutter (AES) continuously adjusts speed to ensure correct exposure under any lighting conditions (1/60 – 1/100,000 second).
  - Connectors for BB or VBS (BNC) sync input and VBS (BNC), Y/C (S-terminal, 4-pin) output.
  - Simple menu-driven operation sets a range of parameters including IRIS level, ENHANCE level, PED level, ATW/AWC, H.PHASE/SC phase, AGC ON/OFF, AGC level and L.L. phase.
  - JVC's backlight compensation function creates a sense of depth around a foreground subject by filling in the background and so prevents silhouetting.
  - C/CS-mount lens compatible.
  - May be powered by AC 24 V and DC 12 V sources.
- TK-C1460U day/night camera
- In addition to the features of the TK-C1480U, the TK-C1460U has the ability for day and night operation thanks to a special mechanism to turn on and off the IR cut filter. The camera provides full color reproduction by day or in bright conditions and black and white low light operation in dark conditions. Automatic adjustment makes 24-hour operation possible.



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