

Compact HDTV Color Camera KP-HD20AV

Compact Body
0.05lx Maximum Sensitivity
1080 Interlaced and
Progressive Video outputs



Full HD(HD-SDI)for Industrial use

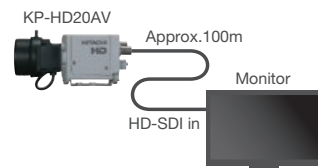
2.5 million pixel RGB Bayer MOS sensor

Coaxial cable transmission

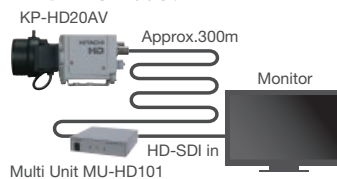
Easy HD replacement for conventional analog (NTSC/PAL) cameras using existing coax cables to output HD-SDI (and HD-VLC) video.

Approx. 100m(HD-SDI mode) or 300m(HD-VLC mode) transmission using 5C-FB or Belden 1695A Coax cable.

※HD-SDI Standard mode :



※HD-VLC mode :



Small size/light weight / high sensitivity

Compact camera body size (44mm width and height) combined with light weight make this a flexible unit for many applications.

High sensitivity of 0.05lx allows use in difficult low light situations.

- Non-compressing high definition
- Low delay (less than 16 ms)
- HD-SDI output
- Accurate motion reproduction



Main Specifications

Imaging device	1/3-inch MOS
Total pixels	2.55M pixels (2,551,528)
Effective Pixels	2.35M Pixels (2,356,128)
Video format	HD-SDI : 1080i 59.94/50, 1080P 30/29.97 CVBS : NTSC,PAL
Video output	HD-SDI Standard mode : Approx.100m (5C-FB 75Ω) HD-VLC mode : Approx. 300m (5C-FB 75Ω / with Multi Unit (MU-HD101)
Minimum photographic subject illumination	0.05lx (F1.2/AGC : MAX/GAMMA : HIGH)
AGC	ON/OFF
Electronic shutter	Fixed / AES
Backlight compensation	ON/OFF (Area to selection is possible.)
White balance control	Auto/Preset/Manual
Contrast compensation	Optimizes dark areas of the image
Lenses	DC / VIDEO
Remote control	RS-232C
Lens mount	C / CS mount
Power supply voltage	DC+12V
Ambient, operating	-10°C to +45°C
External dimensions	Approximately 44(W) x 44(H) x 59(D)mm
Mass	Approximately 200g (The lens is excluded)

CAUTION : To ensure safe operation, please read the instruction manual before using this product.

These Specifications are subject to change without notice.

Hitachi Kokusai Electric Inc.

32, Miyuki-cho, kodaira-shi, Tokyo 187-8511, Japan
Phone : +81-50-3383-3432, Fax : +81-42-322-3270
URL : <https://www.hitachi-kokusai.co.jp/global/en/index.html>

Hitachi Kokusai Electric Asia (Singapore) Pte. Ltd.

URL : <http://www.hitachi-kokusai.com.sg/>
7 Tampines Grande, #02-04 Hitachi Square, Singapore 528736
Phone : +65-(0)6212-1945, Fax : +65-(0)6231-2429



100 Lauman Lane, Suite A, Hicksville, NY 11801
Tel: (877) 877-7274 | Fax: (516) 801-2046
Email: Info@nyscopes.com
www.microscopeinternational.com

Hitachi Kokusai Electric Europe GmbH

URL : <http://www.hitachi-keu.com/>
Frankfurt Head Office : Siemensstr. 9, D-63263 Neu-Isenburg, Germany
Phone : +49(0) 6102-8332-0, Fax : +49(0) 6102-202616

London Office

: Orion House, Bessemer Road, Welwyn Garden City,
Herts, AL7 1HH, UK
Phone : +44(0)7808 330196, Phone : +44 (0) 8451 212177

Hitachi Kokusai Linear Equipamentos Eletrônicos S/A

URL : <http://www.hitachi-linear.com.br/>

Head Office

: Rodovia BR 459, No121-A, Km 121 - Bairro Corrego Raso,
Santa Rita do Sapucaí, 37540-000, MG - Brazil
Phone : +55 (35) 3473-3473, Fax : +55 (35) 3473-3474

Sales Office

: Alameda Santos, 745 - 9 Andar - Conj. 91B, Cerqueira Cesar,
São Paulo, 01419-001, SP - Brazil
Phone : +55 (11) 3541-3244, Fax : +55 (11) 3541-2425