Panasonic
ideas for life

A Bright, Compact Projector with Digital Link for All-in-One Connectivity

PT-**VW431D**

4,300 lm

WXGA (1,280 x 800)

Digital Link

Superb Functions in a Compact and Lightweight Body

- A full 4,300 lm of brightness and 3,500:1[1] contrast.
- Lamp replacement cycle of up to 4,000[2] hours.
- Pleated Micro Cut Filters[3] enable replacement cycle of up to 4,000[4] hours.
- Quiet 29 dB design does not interrupt meetings and lectures. (LAMP POWER: ECO)
- Daylight View Basic technology ensures easy-to-see, clear images even in brightly lit rooms.
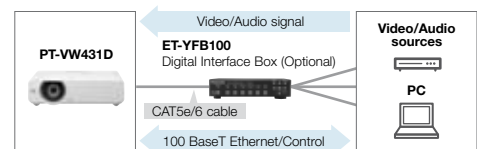
Ecology-Conscious Features

- Environment-friendly, low standby power consumption of 0.3 W (STANDBY MODE: ECO).[5]
- RoHS compliant.
- Eup Lot 6 compliant.

Convenient Functions for Portable and Ceiling-Mounted Applications

- Digital Link for all-in-one connectivity.
- Abundant terminals including HDMI and two sets of RGB input terminals.
- 1.6x zoom lens and vertical lens shift allow flexible installation.
- Easy setup thanks to vertical real-time keystone correction, auto input signal search, and input guidance function.
- Built-in 10 W speaker and a microphone input terminal.
- Direct Power Off allows the room's main power to be turned off immediately after use.
- The startup screen can be customized using the Logo Transfer software[6] from the Panasonic website to customize the projector and/or for theft prevention.
- Projector identification capability for remote control allocation of up to six projectors.
- Carrying bag supplied.
- Closed caption decoder built-in for the US market.

Digital Link

Compatibility with HDBaseT™ technology enables high-speed, large-capacity transmission over a single cable.

Digital Link connection allows devices to send and receive converging uncompressed Full-HD digital video, audio, 100BaseT Ethernet, and various control signals through a single 100-m/328-ft CAT5e/6 cable with RJ-45 connector.

Digital Link Compatibility
- Panasonic ET-YFB100 Digital Interface Box (optional)
- Crestron's DigitalMedia 8G+™[7]
- Extron's XTP Systems[7]
- AMX's Enova DVX and DGX Digital Media Switchers[7]

The RJ-45 connector supports the following network connections:

- Multi Projector Monitoring & Control Software
- Web browser control over a wired LAN.
- PJLink™ compatibility.
- Crestron RoomView™ compatibility.

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*1 With the iris on.
*2 With the LAMP POWER set to ECO. Up to 2,500 hours with the LAMP POWER set to NORMAL. The usage environment affects the lamp replacement cycle.
*3 Electrostatic filters.
*4 The usage environment affects the duration of the filter.
*5 When the STANDBY MODE is set to ECO, network functions such as power on over the LAN will not operate. Also, only certain commands can be received for external control using the serial terminal.
*6 Uploadable still images are limited to 1,024 x 768 pixel bitmap files. Also, the application will reduce the number of colors to 191.
*7 For complete list of compatible models, please visit the website (http://panasonic.net/avc/projector/). The site will be updated prior to the actual shipment of the units.

Model	PT-**VW431D**
Power supply	100-240 V AC, 50/60 Hz
Power consumption	365 W (0.3 W with STANDBY MODE set to ECO,[*1] 11.5 W with STANDBY MODE set to NETWORK.)
LCD panel — Panel size / Display method / Drive method / Pixels	15 mm (0.59˝) diagonal (16:10 aspect ratio) / Transparent LCD panel (x 3, R/G/B) / Active matrix / 1,024,000 (1,280 x 800) x 3, total of 3,072,000 pixels
Lens	Manual 1.6x zoom (1.18-1.90:1), manual focus F 1.60-2.12, f 15.28-24.62 mm
Lamp	280 W UHM lamp x 1
Lamp replacement cycle	2,500 hours[*2] (LAMP POWER: NORMAL), 4,000 hours[*2] (LAMP POWER: ECO)
Screen size (diagonal)	0.76-7.62 m (30-300 in), 16:10 aspect ratio
Brightness[*3]	4,300 lm (LAMP POWER: NORMAL)
Center-to-corner uniformity[*3]	85 %
Contrast[*3]	3,500:1 (full on/off, LAMP POWER: NORMAL, Iris: On)
Resolution	1,280 x 800 pixels (Input signals that exceed this resolution will be converted to 1,280 x 800 pixels.)
Scanning frequency — HDMI / RGB / YP_BP_R (YC_BC_R) / Video/S-Video / Digital Link	f_H: 25-80 kHz, f_V: 50-85 Hz, dot clock: 162 MHz or lower f_H: 15-100 kHz, f_V: 50-100 Hz, dot clock: 140 MHz or lower f_H: 15.75 kHz, f_V: 60 Hz [480i (525i)] f_H: 31.50 kHz, f_V: 60 Hz [480p (525p)] f_H: 15.63 kHz, f_V: 50 Hz [576i (625i)] f_H: 31.25 kHz, f_V: 50 Hz [576p (625p)] f_H: 45.00 kHz, f_V: 60 Hz [720 (750)/60p] f_H: 37.50 kHz, f_V: 50 Hz [720 (750)/50p] f_H: 33.75 kHz, f_V: 60 Hz [1080 (1125)/60i] f_H: 28.13 kHz, f_V: 50 Hz [1080 (1125)/50i] f_H: 15.75 kHz, f_V: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60], f_H: 15.63 kHz, f_V: 50 Hz [PAL/PAL-N/SECAM] f_H: 25-80 kHz, f_V: 50-85 Hz, dot clock: 162 MHz or lower
Optical axis shift	Vertical: +48 % (manual)
Keystone correction range	Vertical: ±30° (±20° with Real-Time Keystone)
Installation	Ceiling/floor, front/rear
Terminals — HDMI IN / COMPUTER 1 IN / COMPUTER 2 IN / 1 OUT / VIDEO IN / S-VIDEO IN / VIDEO AUDIO IN / COMPUTER 1 AUDIO IN / COMPUTER 2 AUDIO IN / AUDIO OUT / SERIAL IN / LAN/DIGITAL LINK	HDMI 19-pin x 1 (Compatible with HDCP) D-Sub HD 15-pin (female) x 1 (RGB/YP_BP_R/YC_BC_R/Scart RGB x 1) D-Sub HD 15-pin (female) x 1 (RGB x 1) (input/output selectable using on-screen menu) RCA x 1 (composite VIDEO) Mini DIN 4-pin x 1 (S-VIDEO) RCA (L/R x 1) x 2, for VIDEO/S-VIDEO input M3 (L-R) x 1 M3 (L-R) x 1, for audio input or for microphone connection (variable) M3 (L-R) x 1, for output (variable) D-sub 9-pin (female) x 1, for external control (RS-232C compliant) RJ-45 x 1, for network connection/Digital Link (10Base-T/100Base-TX, compliant with PJLink™)
Built-in speaker	4 cm (1.6") round shape x 1, output power: 10.0 W (monaural)
Operating noise[*4]	37 dB (LAMP POWER: NORMAL), 29 dB (LAMP POWER: ECO)
Filter	x 2 (side and rear, Pleated Micro Cut Filter), recommended replacement cycle: 4,000 hours[*5]
Cabinet materials	Molded plastic
Dimensions (W x H x D)	379 x 107 x 305 mm (14.9" x 4.2" x 12.0") (with legs at shortest position, not including protruding parts)
Weight[*4]	Approximately 4.8 kg (10.6 lbs)
Operating environment	Operating temperature: 0 °C-40 °C (32 °F-104 °F)[*6], operating humidity: 20 %-80 % (no condensation)
Supplied accessories	Power cord, power cord holder, wireless remote control unit, batteries (AAA/R03/LR03 type x 2), computer cable (1.8 m, for VGA), software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)

Optional accessories

Bracket assembly
ET-PKV200B

Ceiling mount bracket
ET-PKV100H (for high ceilings)
ET-PKV100S (for low ceilings)

Replacement lamp unit
ET-LAV200

Replacement filter unit
ET-RFV200

Digital Interface Box
ET-YFB100

[*1] When the STANDBY MODE is set to ECO, network functions such as power on over the LAN will not operate. Also, only certain commands can be received for external control using the serial terminal.
[*2] The usage environment affects the lamp replacement cycle.
[*3] Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.
[*4] Average value. May differ depending on models.
[*5] The usage environment affects the duration of the filter.
[*6] When the ambient temperature is between 35 °C and 40 °C (95 °F and 104 °F), the LAMP POWER should be set to ECO.

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