



46XV640U

1080p Full HD LCD TV
with ClearFrame™ 120Hz

LEADING THE WAY IN
HOME ENTERTAINMENT
INNOVATION



TOSHIBA
Leading Innovation >>>



46XV640U 46.0" diagonal 1080p HD LCD TV with ClearFrame™ 120Hz

ADVANTAGE

- 1080p Full HD CineSpeed™ Display
- ClearFrame™ 120Hz with 5:5 Pull-Down Option
- DynaLight™ Dynamic Backlight Control for Deep Black Levels
- Gaming Mode for Fast Game Controller Response
- 3 HDMI™ Digital Inputs
- High-Res PC Input (S-XGA, 15 Pin, D-sub)
- ATSC/QAM Digital Tuner for Over-the-Air and Cable-in-the-Clear Digital Tuning
- High-Gloss Black Cabinet

PRELIMINARY

46XV640U

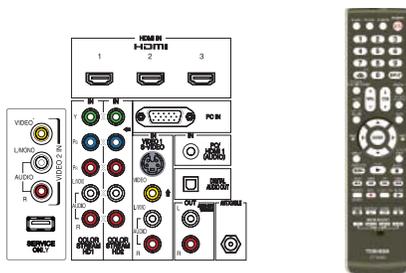
The XV640 series combines a 1080p Full HD display with ClearFrame™ 120Hz for superior picture quality, DynaLight™, and a High-Res PC Input with Gaming Mode, to enhance both your home theater viewing and PC Gaming.

1080p Full HD CineSpeed™ LCD Display – Today’s highest resolution video content is 1920 x 1080 for over 2,000,000 pixels. A standard 720p HD display has less than 1,000,000 display pixels, and must discard half of the original video content, resulting in decreased picture detail. On the other hand, a 1080p Full HD Display has over 2,000,000 display pixels, maintaining the full video resolution and clarity. A CineSpeed™ Display has an LCD Response Time of 8ms or less to ensure that the display is also fast enough for high quality home theater.

ClearFrame™ 120Hz – Doubles the video frames from 60 per second to 120 per second to reduce any motion blur that could be caused by fast action video. By using advanced motion vector frame interpolation, it improves picture clarity without affecting picture brightness or adding flicker. For those that prefer a more film-like picture, there is also a 5:5 Pull-Down option available.

DynaLight™ Dynamic Backlight – Utilizes advanced histogram image processing to monitor the brightness level of each video frame and automatically adjusts the backlight intensity based on the image content. This precise signal analysis allows for 256 levels of backlight control and can create a Dynamic Contrast that is 7 to 10 times that of the original panel contrast. The result is a powerful picture with deep blacks for increased detail and incredible depth.

Gaming Mode – Enhances the gaming experience by reducing game controller delay. The Gaming Mode allows the video signal to bypass select picture circuitry to shorten the overall signal to screen time. This provides an approximate 33 millisecond response improvement for 60Hz models and 48 millisecond response improvement for 120Hz models virtually eliminating controller delay.



¹Viewing 24 frames per second requires content created in 480p / 24 frames/second.

²Compatibility with other HDMI™.CEC products will vary by manufacturer. Some products will not be compatible at all or may only allow for limited functions.

³In some cases, the universal remote may not operate additional devices or certain features of such devices, in which case, it is suggested that you use the original remote control for the applicable device.

⁴If you decide to wall mount your Toshiba television, always use a UL Listed wall bracket appropriate for the size and weight of the television.

<http://www.tacp.toshiba.com> Customer Solutions: 800.631.3811
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Cabinet	High-Gloss Black Finish
Screen Size (measured diagonally)	46.0"

LCD PANEL:

Resolution	1080p
Dynamic Backlight Control	DynaLight™
Response Time	CineSpeed™

VIDEO:

Video Processor	10 Bit
Video Scan Rate	ClearFrame™ 120Hz
Cinema Mode 24fps ¹	5:5 Pull-Down
TheaterWide [®] Modes	•
Color Temperature Control	•
Native Mode™	•

AUDIO:

Speaker System	Thin-Line
Sound Enhancement	QSound [®]
Mute/Half Mute	•

CONVENIENCE:

Built-in TV Tuning	NTSC/ATSC/QAM
Auto Aspect Control	•
Sleep Timer	•
HDMI™.CEC ²	•
Gaming Mode	•
Channel Browser™	•
Channel Labeling	•
Input Labeling	•
Logo Light On/Off	•
ENERGY STAR [®] 3.0 Compliant	•

JACK PACK:

HDMI™ v1.3 Digital Inputs	3
ColorStream [®] Component Video Inputs	2
Front A/V / Rear A/V / Rear S-Video	1 / 1 / 1
High Res PC Input (S-XGA, 15 Pin, D-sub)	1
Analog Audio Out	Variable
Dolby [®] Digital Optical Out	•

REMOTE CONTROL:

Type	4 Item Universal ³
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PRODUCT & PACKAGING:

VESA [®] Mounting Pattern ⁴	200 x 400
Unit Dimensions (WHD) in. (with stand)	44.39 x 30.00 x 13.09
Unit Dimensions (WHD) in. (without stand)	44.39 x 27.99 x 3.58
Carton Dimensions (WHD) in.	55.91 x 33.43 x 9.45
Unit Weight (with stand)	51.3 lbs
Carton Weight	64.1 lbs
UPC Code	022265002506