# SONY

# BRAVIA™ 4K HDR Professional Displays

Innovative displays designed for business

**43" – 85"**
**X80K/X81K/**
**X89K/X90H**
**Series**
FWD-43X80K/UK
FWD-50X80K/UK
FWD-55X80K/UK
FWD-65X80K/UK
FWD-75X81K/UK
FWD-85X89K/UK
FWD-85X90H/UK

4K
HDR

# High quality 4K HDR images and smart connectivity

Take your business communications to the next level with the BRAVIA Professional Display that combines lifelike 4K HDR image quality and TRILUMINOS PRO™ with easy operation, flexible networking/control and extensive integration options.

Optimised for professional applications, these  BRAVIA Professional series delivers richly coloured, high-contrast 4K HDR images, while 4K X-Reality PRO upscales lower-resolution images closer to true 4K quality.

The display's clean, minimal design keeps your audience focused on what really matters, while Dolby Atmos delivers pure, immersive sound.

For even greater peace of mind there's the added reassurance of our 3 Years warranty with advanced exchange handled by local partner, on premise where possible. You can also choose to extend your support for an additional 2 years.

## Ultimate Picture Quality

### 4K image resolution (3840 x 2160 pixels)
4K offers four times the detail of Full HD, with a resolution of over 8 million pixels bringing extra clarity to corporate display, education and digital signage applications.

### Refined style to match your space
BRAVIA features a slim, contemporary blade design, with a narrow screen bezel that adds an extra touch of refinement to any interior.

**XR Triluminos Pro**

### Wider colour with TRILUMINOS Display
Our wide colour gamut and unique TRILUMINOS PRO™ algorithm can detect colour from saturation, hue and brightness to reproduce natural shades in every detail. You'll enjoy colours that are closer to those seen in the real world. Powered by our X1 processor, TRILUMINOS Display maps colours from a wider palette, faithfully reproducing a world of more vivid, lifelike hues and tones.

**X1 4K Processor**

### More contrast, colour and clarity
Our 4K HDR Processor X1™ cleans and refines picture signals, using advanced algorithms to cut noise and boost detail. Even lower-resolution images are upscaled closer to 4K with lifelike colour and textures, for a more impactful signage.

**XR Motion**

### Smoother movement
Motionflow™ XR inserts additional picture frames between the originals, ensuring smoother, sharper detail in fast-moving sequences.

**4K X-Reality PRO**

### See finer detail
4K X-Reality PRO upscales pictures closer to true 4K quality. Images are sharpened and refined in real time, revealing extra detail from lower-resolution picture sources.

## Features

**Do more with Google TV**
Discover a world of apps and online content powered by Google TV.
Use Voice Search to find content easily with no typing.

**Google Chromecast and Apple Airplay**
With Google Chromecast built-in, and Apple Airplay, easily mirror your
content and enjoy it super-sized on your BRAVIA.

**Greater peace of mind**
There's the added reassurance of our 3 Years warranty with advanced
exchange handled by local partner, on premise where possible. You can
also choose to extend your support for an additional 2 years.

# Specifications

| | | FWD-43X80K/UK | FWD-50X80K/UK | FWD-55X80K/UK | FWD-65X80K/UK | FWD-75X81K/UK | FWD-85X89K/UK | FWD-85X90H/UK |
|---|---|---|---|---|---|---|---|---|
| **Display features** | Screen Size (inch, measured diagonally) | 43" (42.5") | 50" (49.5") | 55" (54.6") | 65" (64.5") | 75" (74.5") | 85" (84.6") | |
| | (cm) | 108 cm | 126 cm | 139 cm | 164 cm | 189 cm | 215 cm | |
| | Brightness (cd/m²) | 450 | | | 438 | 450 | 517 | 620 |
| | Native contrast ratio | 1200:1 | 5000:1 | 1200:1 | | | 6000:1 | 4000:1 |
| | Dynamic contrast ratio | 400000:1 | | | 390,000:1 | 400,000:1 | 460,000:1 | 600000:1 |
| | Display resolution (H x V, pixels) | 3840 x 2160 | | | | | | |
| | Dimming type | Frame Dimming | | | | | | Local Dimming |
| | Display device | LCD | | | | | | |
| | Backlight type | Direct LED | | | | | Direct (Full Array LED) | Direct (Full Array LED) |
| | Aspect Ratio | 16:9 | | | | | | |
| | Haze | 1% | | | | | 2% | |
| | Response time (ms) | 8 | 10 | 8 | | | 6 | |
| **Professional features** | Operating System | Android 10 | | | | | | |
| | On-board Storage (GB) | 16GB | | | | | | |
| **Display System** | TV System (Digital Terrestrial) | DVB-T/T2 | | | | | | |
| | TV System (Digital Cable) | DVB-C | | | | | | |
| | TV System (Digital Sat) | DVB-S/S2 | | | | | | |
| | Number of Tuners (Terrestrial/Cable) | 1 (Digital/Analog) | | | | | 2 (Digital)/1 (Analog) | |
| | Number of Tuners (Sat) | 1 | | | | | 2 | |
| **Network Features** | Wi-Fi Direct | Yes | | | | | | |
| | Wi-Fi Certified | Yes | | | | | | |
| | Wi-Fi Standard | a/b/g/n/ac | | | | | | |
| | Apple AirPlay | Yes | | | | | | |
| | Chromecast built-in | Yes | | | | | | |
| | Internet Browser | Vewd | | | | | | |
| | Codec for Home Network | MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS (HDV,AVCHD):MPEG2,AVC/MP4 (XAVC S):AVC,MPEG4,HEVC/AVI:Xvid,MotionJpeg/ASF(WMV):VC1/MOV:AVC,MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF (WMA)/LPCM/WAV/MP4AAC/FLAC/JPEG,WEBM:VP9/AC4/ogg/AAC/ARW (Screen nail only) | | | | | | |
| | Wireless LAN | Integrated | | | | | | |
| **Convenience features** | USB playback codecs | MPEG1:MPEG1/MPEG2PS:MPEG2/MPEG2TS (HDV,AVCHD):MPEG2,AVC/MP4 (XAVC S):AVC,MPEG4,HEVC/AVI:Xvid,MotionJpeg/ASF (WMV):VC1/MOV:AVC,MPEG4,MotionJpeg/MKV:Xvid,AVC,MPEG4,VP8.HEVC/WEBM:VP8/3GPP:MPEG4,AVC/MP3/ASF(WMA)/LPCM/WAV/MP4AAC/FLAC/JPEG,WEBM:VP9/AC4/ogg/AAC/ARW (Screen nail only) | | | | | | |
| | HDMI-CEC | Yes | | | | | | |
| | i-Manual | Yes | | | | | | |
| | On Screen Clock | Yes | | | | | | |
| | Sleep Timer | Yes | | | | | | |
| | On/Off Timer | Yes | | | | | | |
| | Display Language | AFR,AMH,ARA,ASM,AZE,BEL,BUL,BEN,BOS,CAT,CZE,DAN,DEU,GRE,ENG,SPA,EST,BAQ,PER,FIN,FRA,GLG,GUJ,HIN,HRV,HUN,IND,ISL,ITA,HEB,JPN,KAZ, KAN,KOR,KIR,LAO,LIT,LAV,MAC,MAL,MON,MAR,MAY,BUR,NOB,NEP,NLD,ORI,PAN,POL,POR,RUM,RUS,SOL,SLV,ALB,SRP,SWE, SWA,TAM,TEL,THA,TGL,TUR,UKR,URD,UZB,VIE,zh_CN,zh_HK,zh_TW,ZUL | | | | | | |
| **Control specs** | IP Control | Yes | | | | | | |
| | Pro mode | No | | | | | | Yes |
| **Inputs & Outputs** | HDMI Signal | 4096x2160p (24,50,60Hz), 3840x2160p (24,25,30,50,60Hz), 1080p (30,50,60Hz), 1080/24p, 1080i (50,60Hz), 720p (30,50,60Hz), 720/24p, 576p, 480p | | | | | | 4096x2160p (24,50,60Hz), 3840x2160p (24,25,30,50,60,100,120Hz) *1 , 1080p(30,50,60,100,120Hz), 1080/24p, 1080i (50,60Hz), 720p (30,50,60Hz), 720/24p, 576p, 480p |
| | HDCP | HDCP2.3 (for HDMI1/2/3/4) | | | | | | |
| | RF (Terrestrial/Cable) Connection Input(s) | 1 (Side) | | | | | | |
| | IF (Satellite) Input(s) | 1 (Side) | | | | | 2 (Side) | |
| | Composite Video Input(s) | 1 (Side, Mini jack) | | | | | | 1 (Side) |
| | HDMI inputs total | 4 (4Side) | | | | | | |
| | USB ports | 2 (Side) | | | | | | |
| | Ethernet inputs | 1 (Side) | | | | | | |
| | RS-232C Input(s) | No | | | | | | |
| | PCMCIA Slot(s) | 1 (Top) | | | | | | |
| **Audio specifications** | Speaker Position | Down Firing | | | | | | Side Back + Down Firing |
| | Audio Power Output | 10W + 10W | | | | | | |
| **Video Specifications** | Wide Mode | Auto/Wide zoom/Normal/Full/Zoom/14:9,Normal/Full1/Full2 for PC | | | | | | |
| | 4:3 Default | Yes | | | | | | |
| | Video Processing | 4K X-Reality PRO | | | | | | |
| | 4K Processor | 4K HDR Processor X1 | | | | | | |
| | Motion enhancer | Motionflow XR 200/240Hz (Native 50/60Hz), Auto mode | | | | | | X-Motion Clarity, Auto mode |
| | HDR (High Dynamic Range) compatibility | Yes (HDR10,HLG,Dolby Vision) | | | | | | |
| | Panel Refresh Rate (Native Hertz) | 50Hz | | | | | | 100Hz |
| **Design Features** | Cable Management | Yes | | | | | | |
| | Frame color | Black | | | | | | |
| | Stand Design | Slim Blade stand | | | | | | Metal Blade Stand |
| | VESA® Hole Spacing Compatible | Yes | | | | | | |
| | VESA® Hole Pitch (W x H) | 20.0 x 20.0 cm | | 30.0 x 30.0 cm | | | 40.0 x 40.0 cm | |
| **Eco & energy saving** | Rated Power Consumption | 114 W | 151 W | 213 W | 241 W | 317 W | 389 W | 340 W |
| | Power Consumption (in Standby) | 0.50 W | | | | | | |
| | Mercury content(mg) | 0.0 | | | | | | |
| | Power Saving Mode / Back Light Off Mode | Yes | | | | | | |
| **Dimensions** | Display only (W x H x D) | Approx. 96.4 x 56.3 x 6.9 cm | Approx. 111.9 x 64.9 x 7.0 cm | Approx. 123.3 x 71.3 x 7.2 cm | Approx. 145.2 x 83.6 x 7.2 cm | Approx. 167.5 x 96.2 x 7.3 cm | Approx. 190.1 x 109.0 x 7.3 cm | Approx. 189.9x108.9x7.2 cm |
| | Display with Stand (W x H x D) | Approx. 96.4 x 62.9 x 28.8 cm | Approx. 111.9 x 71.6 x 28.8 cm | Approx. 123.3 x 78.3 x 33.9 cm | Approx. 145.2 x 90.6 x 33.9 cm | Approx. 167.5 x 104.1 x 41.2 cm | Approx. 190.1 x 117.8 x 45.7 cm | Approx. 189.9x116.2x44.1 cm |
| **Weights (Approx.)** | Display only | Approx. 10.1 kg | Approx. 12.4 kg | Approx. 15.9 kg | Approx. 21.7 kg | Approx. 32.2 kg | Approx. 44.7 kg | Approx. 45.8 kg |
| | Display with Stand | Approx. 10.7 kg | Approx. 13 kg | Approx. 16.9 kg | Approx. 22.7 kg | Approx. 33.5 kg | Approx. 46.2 kg | Approx. 47.7 kg |
| | Package Carton (Gross) | Approx. 14 kg | Approx. 18 kg | Approx. 22 kg | Approx. 32 kg | Approx. 48 kg | Approx. 62 kg | Approx. 62 kg |
| **Optional accessories** | Wallmount Bracket | SU-WL450 (Terminal access limitation, refer to SU-WL450 product page) | | | SU-WL450 (Terminal access limitation, refer to SU-WL450 product page), SU-WL850(Refer to Country/Area Handling Chart) | | SU-WL450 (Terminal access limitation, refer to SU-WL450 product page) | |
| **Service and Warranty** | Standard Warranty | 3 Years with advanced exchange handled by local partner, on premise where possible | | | | | | |

*1 100Hz and 120Hz is supported by HDMI IN 3 and IN 4

# Bring the incredible depth and quality of 4K HDR resolution to your business

## For full features visit
## pro.sony/products/professional-displays

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