

iVision 20 Series

iVision 20sx+ • iVision 20 HD • iVision 20-1080p • iVision 20-WUXGA



PERFORMANCE SPECIFICATIONS

Color Wheel Options:

(XB): Balanced Luminance and Chroma
(XL): Enhanced Luminance
(XC): Enhanced Chroma

Brightness (±10%) / Contrast (full on/full off)

20sx+: 2,500 / 2500:1
20sx+ XB: 2100 / 2500:1
20sx+ XL: 3000 / 2500:1
20sx+ XC: 1600 / 2500:1

20HD-XB: 1900 / 4000:1
20HD-XC: 1800 / 4000:1

20-1080p-XB: 2000 / 2500:1
20-1080p-XC: 1400 / 2500:1
20-1080p-XL: 2700 / 2500:1

20WUXGA-XB: 2000 / 2500:1
20WUXGA-XC: 1400 / 2500:1
20WUXGA-XL: 2700 / 2500:1

Display Type

sx+: DarkChip™ DMD
HD: DarkChip™ DMD
1080p: DarkChip™ DMD
WUXGA: DarkChip™ DMD

Sequential Color Management

Seven-segment color wheel with Brilliant Color™

Native Resolution

sx+: 1400 x 1050 pixels
HD: 1280 x 720 pixels
1080p: 1920 x 1080 pixels
WUXGA: 1920 x 1200 pixels

Computer Compatibility

Up to 1920 x 1200

Video Compatibility

HDTV 1080p, 1080i, 720p, EDTV, 576p, 576i, 480p, 480i, NTSC, PAL, SECAM

Aspect Ratio (native)

sx+: 4 x 3
HD: 16 x 9
1080p: 16 x 9
WUXGA: 16 x 10

Bandwidth (up to)

205 MHz on analog RGB
160 MHz on DVI
75 MHz on component input

Throw Ratio

sx+: 1.78 - 2.23:1
sx+ W: 1.0:1
sx+ UW: 0.82:1
sx+ L: 2.5 - 3.9:1

HD: 1.95-2.43:1

WUXGA & 1080p: 1.6 - 2.2:1
WUXGA-W & 1080p-W: .92:1
WUXGA-UW & 1080p-UW: .74:1
WUXGA-L & 1080p-L: 2.7 - 4.2:1

Throw Distance

1.5-10 meters (5-33ft)

Image Size

sx+: 0.5 - 20 meters (2 - 15ft) wide
HD: 0.5 - 7 meters (2 - 15ft) wide
WUXGA & 1080p: (2.5 - 18ft) wide

Lens Shift

sx+: + .5 frame vertical, .0 frame horiz.
HD: + .6 frame vertical, .0 frame horiz.
WUXGA & 1080p: .5 frame vertical, .0 frame horiz.

Lamp Type

220W UHP™

Lamp Life (Typical)

4,000 hours (economy mode)
2,000 hours (normal mode)

Mechanical Mounting

Front/rear table
Front/rear ceiling
Adjustable front/rear feet

Operating Noise Level

<30db

Dimensions (chassis only)

9.2in(L) x 10.9in(W) x 3.7in(H)
234mm(L) x 278mm(W) x 94mm(H)

Weight (chassis only)

2.55kg (6lbs)

Standard Accessories

IR remote control, cable cover

Cabinet Color

Graphite

Overview

Digital Projection International proudly introduces the second generation of our compact single-chip DLP® displays - the iVision 20 series.

The iVision 20 product line embodies the most compact and ultra-quiet implementation of DarkChip™ single-chip DLP® technology available today. Employing a wide range of resolutions from 1280 x 720 to 1920 x 1200, the iVision 20 series delivers up to 3,000 lumens and 4000:1 contrast. Equipped with DP's ColorMax™ technology, three different factory installed color wheels are available, allowing the user to select the product / color-wheel combination that provides the best balance of lumens and color depth to match their application.

The iVision 20's intuitive user interface and extensive source compatibility render them simple to integrate, control and operate. These new iVisions feature an on-axis optical design, supported by a geometrically precise zoom lens or three optional short throw or long-throw fixed lenses. Vertical lens shift with more than a full frame of shift range provides maximum installation flexibility. The projectors' low-cost, ultra efficient UHP lamp system and inherent digital stability position the iVision 20 series as best-in-class projection solutions for a diverse range of customers and applications, including:

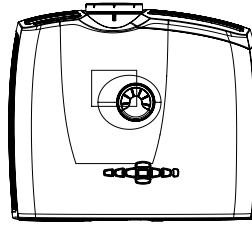
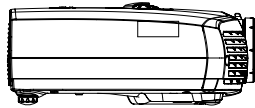
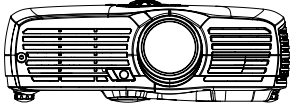
- Dramatic home entertainment • Digital media and advertising
- Corporate boardrooms and teleconferencing suites
- Training and education • Retail and entertainment
- Religious venues/houses of worship • Casinos and hospitality
- Military simulation/command and control • Immersive visualization

As is the case with all Digital Projection displays, our careful engineering guarantees the iVision 20 series provide remarkable imaging and reliability for the long-term. Equally important, our legacy in superior customer and technical services assures our experienced support staff is always available to address your needs.

The iVision 20 series - compact and capable single-chip displays - bringing the precision of Digital Projection to every venue.

INPUT / OUTPUT CAPABILITIES

Input	Connector	Quantity
VGA/analog RGB	D Sub (15-pin)	1
DVI (Digital RGB)	DVI-D	1
Component Video (SDTV/HDTV)	RCA x 3	1
S-Video	4-pin mini DIN	1
Composite Video	RCA	1
HDMI	HDMI	1
Control & Integration:		
USB for mouse connection and firmware upgrade	USB	1
LAN	RJ45	1
Audio / Speaker input (sx+ only)	stereo mini jack	1
Wired Remote	stereo mini jack	1



iVision 20 back panel

Projector Dimensions

Projector dimensions (in) L1 9.2 W1 10.9 H1 3.7	Projector dimensions (mm) L1 234 W1 278 H1 94
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ADVANCED TECHNICAL SPECIFICATIONS

PARAMETERS	   
HDTV Formats Supported	1080i, 720p, 576i/p, 480i, 480p
Scan Rates Supported	Horizontal: 120kHz; Vertical: 50-110Hz
Remote Control	Remote wireless IR
Automation Control	RS232 9-pin D sub / RJ45 LAN
Operating/Storage Temperature	Operating: 0 to 40°C at 0-1500m, 0 to 35°C at 1500-3000m / Storage: -10 to 45°C
Operating Humidity	20 to 90% RH
Thermal Dissipation	1200 BTU/hr
Fan Noise	28dB at 20°C (68°F)
Power Requirements	90-260 VAC, 50/60Hz
Power Consumption	350W
Safety and EMC Regulations	UL, CE, FCC Class A

Projector*

Projector*	Lens	Part #
iVision 20sx+	1.78 - 2.23:1	105-489A
iVision 20sx+ XB	1.78 - 2.23:1	107-715V
iVision 20sx+ XL	1.78 - 2.23:1	107-716V
iVision 20sx+ XC	1.78 - 2.23:1	107-717V
iVision 20sx+ L XB	2.7 - 4.10:1	108-697V
iVision 20sx+ L XL	2.7 - 4.10:1	108-698V
iVision 20sx+ L XC	2.7 - 4.10:1	108-699V

iVision 20sx+ W XB	1.0:1	107-718V
iVision 20sx+ W XL	1.0:1	107-719V
iVision 20sx+ W XC	1.0:1	107-720V

iVision 20sx+ UW XB	0.8:1	107-722V
iVision 20sx+ UW XL	0.8:1	107-723V
iVision 20sx+ UW XC	0.8:1	107-721V

iVision 20HD-XB	1.95 - 2.43:1	107-709V
iVision 20HD-XC	1.95 - 2.43:1	107-711V

Projector*

Projector*	Lens	Part #
iVision 20-1080p XB	1.6 - 2.0:1	110-839V
iVision 20-1080p XC	1.6 - 2.0:1	110-838V
iVision 20-1080p XL	1.6 - 2.0:1	110-840V
iVision 20-WUXGA XB	1.6 - 2.0:1	109-738V
iVision 20-WUXGA XC	1.6 - 2.0:1	109-737V
iVision 20-WUXGA XL	1.6 - 2.0:1	109-739V

Accessories

Accessories	Part #
VIDI 220 Watt Lamp & Housing	109-688
220 Watt Lamp & Housing	105-495
iVision 20 Adjustable ceiling mount	106-958
Infrared remote (replacement)	105-494
24/7 Maintenance Kit	107-747

* 1 Based on 4-6 hour/day operational profile. Venue and application conditions may impact actual lamp life. See Digital Projection's Product Warranty Statement for details on lamp warranty.

