

C450

**High performance installation—
innovative ease of use.**



THE POWER OF PERFECT PROJECTION

Four optional user-replaceable bayonet lenses offering throw ratios from 0.8 to 7.2:1 allow versatility for any venue and can be changed in three easy steps. Native XGA resolution, 750:1 contrast ratio, and 4500 lumens combine to deliver images that are captivating and compelling.

THE POWER TO UPGRADE

The ASK C450 is solutions-enabled—offering seamless integration with network and wireless applications so you can upgrade to networking, presentation management, and wireless solutions with ease.

THE POWER TO CONNECT

Experience seamless compatibility with connectivity that supports three separate PC and three separate video sources. Control your projector via RS-232 or TCP/IP interfaces. Connect analog and digital sources with support for HDTV and computer sources up to UXGA resolution. BNC connectors make for secure, professional installations.

THE POWER OF INNOVATION

User-focused innovations—based on years of research—enable intuitive use. Features designed for both IT and end-users allow for trouble-free projector use and management.

THE POWER OF TOTAL CONFIDENCE

With an array of options and control features, the C450 gives you flexibility in a platform you can upgrade to wireless or PC-based control. Upward compatibility offers a rich, stay-on-top-of-technology future that includes laptop and wireless control. Gain total reliability for the high-performance demands and the flexibility of installation in a variety of large-venue applications, including auditoriums, outdoor stages, and concert halls.





ILLUMINATING IMAGES

Illuminate large training rooms, conference centers, classrooms and houses of worship with stellar brightness and image quality. Power zoom, focus and lens shift, plus horizontal and vertical keystone correction provide the highest level of professional installation performance and control. Together with the C450's 4500 lumens of brightness, that means brilliant projected images that persuade, awe, and amaze even the largest audiences.

VERSATILE PRESENTATION OPTIONS

The ASK C450 is a high-performance installation projector designed to integrate into any room with presentation flexibility and innovative ease of use. Add either to your network right out of the box with ProjectorNet™ by InFocus® Corporation, and manage all your assets from a single PC. Users can gain complete control from their laptop with InFocus ProjectorManager™, a free application that turns any PC into an advanced projector remote control. Adjust settings, switch sources, even access power manage-

ment controls and presentation collaboration tools. Both projectors are also compatible with the InFocus LiteShow® wireless solution, the first cable-free digital projection solution of its kind. No unplugging and plugging cables to switch between presenters. Just simple, wireless collaboration.

UNIQUE OPTIONS

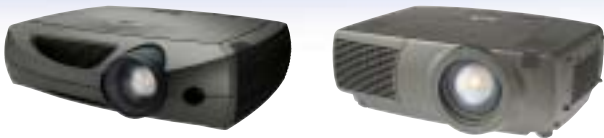
Four optional user-replaceable bayonet lenses can be changed without hassle—so a different lens is just three easy steps away. Just remove two screws from the front bezel, push and twist. It's that easy. The lamp can be replaced even while the unit is mounted, allowing for simple maintenance. Plus, compatibility with multiple video and data sources ensures smooth set up and trouble-free presentations for users, and a minimum of service calls for IT and other support staff.

INNOVATION FOR PERFORMANCE

Incorporating years of usability research, the ease-of-use philosophy we call ProjectAbility makes projection easier. ProjectAbility lets you take advantage of your ASK projector from the moment you take it out of the box. Color-coded connectors make hooking up to any source easy, even for first-time users. Choose the exact function you need with just one touch at the top of the projector. It's all clearly labeled. Our intuitive keypad offers instant-display, one-touch access for the most common commands. Combining features and design that benefit the installer, IT manager and presenter, the C450 is a solid choice you can stake your reputation on.

ProjectorNet™





THE FAMILY OF PERFORMANCE.

Experience the brilliant power of the new ASK family of projectors; C420, and C450. Each is a unique, high-performance installation projector that is designed to integrate into any room across the entire enterprise with powerful options, innovative ease of use and availability at a price you can't resist. Unsurpassed flexibility in a revolutionary package makes them easy to project perfectly—when it counts the most.

WIRELESS FREEDOM FOR PROJECTORS.

LiteShow delivers high-resolution, true-color clarity with fast image updates and smooth, jitter-free images. It's built on industry-standard Wi-Fi (802.11b) technology and is compatible with both PC and Mac operating systems. LiteShow is a secure wireless solution. Industry-standard 128-bit data encryption and robust connection authentication procedures ensure that data transmission and future product upgrades are as secure and reliable as a projector cable.



PROJECTION DISTANCES		Short Fixed		Throw Ratio Range 0.8:1			
		Image Size					
Distance		Diagonal Image		Image Width			
	Feet	Meters	Feet	Meters	Feet	Meters	
MIN DISTANCE	3	0.9	4.69	1.43	3.75	1.14	
	5	1.5	7.81	2.38	6.25	1.91	
	10	3.0	15.63	4.76	12.50	3.81	
MAX DISTANCE	12	3.7	18.75	5.72	15.00	4.57	

PROJECTION DISTANCES		Standard		Throw Ratio Range 1.5 - 2.2:1							
		Minimum Image				Maximum Image					
Distance		Diagonal Image		Image Width		Diagonal Image		Image Width			
	Feet Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
MIN DISTANCE	3 0.9	1.70	0.52	1.36	0.42	2.50	0.76	2.00	0.61		
	5 1.5	2.84	0.87	2.27	0.69	4.17	1.27	3.33	1.02		
	10 3.0	5.68	1.73	4.55	1.39	8.33	2.54	6.67	2.03		
	20 6.1	11.36	3.46	9.09	2.77	16.67	5.08	13.33	4.06		
	30 9.1	17.05	5.20	13.64	4.16	25.00	7.62	20.00	6.10		
	40 12.2	22.73	6.93	18.18	5.54	33.33	10.16	26.67	8.13		
MAX DISTANCE	45.5 13.9	25.85	7.88	20.68	6.30	37.92	11.56	30.33	9.25		

PROJECTION DISTANCES		Short Zoom		Throw Ratio Range 1.1 - 1.5:1							
		Minimum Image				Maximum Image					
Distance		Diagonal Image		Image Width		Diagonal Image		Image Width			
	Feet Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
MIN DISTANCE	2 0.6	1.67	0.51	1.33	0.41	2.27	0.69	1.82	0.55		
	5 1.5	4.17	1.27	3.33	1.02	5.68	1.73	4.55	1.39		
	10 3.0	8.33	2.54	6.67	2.03	11.36	3.46	9.09	2.77		
	20 6.1	16.67	5.08	13.33	4.06	22.73	6.93	18.18	5.54		
	25 7.6	20.83	6.35	16.67	5.08	28.41	8.66	22.73	6.93		
MAX DISTANCE	30.5 9.3	25.42	7.75	20.33	6.20	34.66	10.56	27.73	8.45		

PROJECTION DISTANCES		Long Zoom		Throw Ratio Range 2.2 - 4.2:1							
		Minimum Image				Maximum Image					
Distance		Diagonal Image		Image Width		Diagonal Image		Image Width			
	Feet Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
MIN DISTANCE	4.2 1.3	1.28	0.39	1.02	0.31	2.39	0.73	1.91	0.58		
	10 3.0	3.05	0.93	2.44	0.74	5.68	1.73	4.55	1.39		
	20 6.1	6.10	1.86	4.88	1.49	11.36	3.46	9.09	2.77		
	30 9.1	9.15	2.79	7.32	2.23	17.05	5.20	13.64	4.16		
	40 12.2	12.20	3.72	9.76	2.97	22.73	6.93	18.18	5.54		
	60 18.3	18.29	5.58	14.63	4.46	34.09	10.39	27.27	8.31		
MAX DISTANCE	83.2 25.4	25.37	7.73	20.29	6.19	47.27	14.41	37.82	11.53		

PROJECTION DISTANCES		Ultra Long Zoom		Throw Ratio Range 3.9 - 7.3:1							
		Minimum Image				Maximum Image					
Distance		Diagonal Image		Image Width		Diagonal Image		Image Width			
	Feet Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
MIN DISTANCE	7.5 2.3	1.28	0.39	1.03	0.31	2.40	0.73	1.92	0.59		
	25 7.6	4.28	1.30	3.42	1.04	8.01	2.44	6.41	1.95		
	50 15.2	8.56	2.61	6.85	2.09	16.03	4.88	12.82	3.91		
	75 22.9	12.84	3.91	10.27	3.13	24.04	7.33	19.23	5.86		
	100 30.5	17.12	5.22	13.70	4.18	32.05	9.77	25.64	7.82		
	125 38.1	21.40	6.52	17.12	5.22	40.06	12.21	32.05	9.77		
MAX DISTANCE	146.5 44.7	25.09	7.65	20.07	6.12	46.96	14.31	37.56	11.45		

TECHNICAL SPECIFICATIONS

Native Resolution	• XGA (1024 x 768)
Display Technology	• 0.99" polysilicon TFT with micro lens array
Input Sources	• Computer Sources: Computer 1 (M1-D), Computer 2 (DSUB-15), Computer 3 (Component via BNC) • Audio Inputs (Computer): Mini-jack x 2 • Video Sources: Video 1 (Component RCA), Video 2 (S-Video), Video 3 (Composite RCA), • Audio Inputs (Video): Stereo RCA jack (shared)
Output Sources (standard)	• Audio mini-jack, monitor loop through, wired remote
Computer Compatibility	• VGA – UXGA
Video Compatibility	• NTSC, NTSC 4.43, PAL, PAL-M, N, PAL60 • SDTV: 525i (480i), 625i (575i) • HDTV: 750p (720p @ 60Hz), 1125i (1080i @ 50/60Hz, 1035i @ 60Hz) • EDTV: 525p (480p)
Brightness	• 4500 max ANSI lumens (standard mode); • 3600 max ANSI lumens (whisper mode)
Brightness Uniformity	• 85%
Contrast Ratio	• 750:1 Full on/Full off
Number of Colors	• 16.7 million
H-Synch Range	• 15 – 91 kHz
V-Synch Range	• 50 – 120 Hz
Dot Clock	• 160 MHz
Lens Shift	• 10:0 – 1:1 motorized vertical lens shift
Digital Keystone Correction	• Horizontal: up to +/-15° • Vertical: up to +/-15° • Conditions: 1024 x 768 @ 60Hz • Lens shift: 10:0 • Lens: Standard lens
Projection Lens (standard)	• Zoom Ratio: 1.5:1 • Throw Ratio: 1.5 – 2.2:1 (D:W) • Minimum Projection Distance: 3'/0.9 m • Maximum Projection Distance: 45.5'/13.9 m • Image offset ratio (%): on axis to 100% offset
Optional Fixed Short Throw Lens	• Zoom Ratio: N/A • Throw Ratio: 0.8:1 (D:W) • Minimum Projection Distance: 3'/0.9 m • Maximum Projection Distance: 12'/3.7 m • Image offset ratio (%): On axis
Optional Short Throw Zoom Lens	• Zoom Ratio: 1.3:1 • Throw Ratio: 1.1 – 1.5:1 (D:W) • Minimum Projection Distance: 2'/0.6 m • Maximum Projection Distance: 30.5'/9.3 m • Image offset ratio (%): on axis to 100% offset
Optional Long Throw Zoom Lens	• Zoom Ratio: 1.7:1 • Throw Ratio: 2.2 – 4.1:1 (D:W) • Minimum Projection Distance: 4.2'/1.3 m • Maximum Projection Distance: 83.2'/25.4 m • Image offset ratio (%): On axis to 100% offset
Optional Ultra Long Throw Zoom Lens	• Zoom Ratio: 1.8:1 • Throw Ratio: 3.9 – 7.3:1 (D:W) • Minimum Projection Distance: 7.5'/2.3 m • Maximum Projection Distance: 146.5'/44.7 m • Image offset ratio (%): on axis to 100% offset
Aspect Ratio	• 4:3 native (supports 5:4, 16:9)
Image size (diagonal)	• 30" – 300" / 76.2 cm – 762.0 cm
Projection Methods	• Front, rear and ceiling
Audio	• 2x1-watt stereo
Mouse Control	• USB via M1
Projector Control	• RS-232 (9-pin DSUB), ProjectorNet™ (RJ45)
Lamp	• 320W UHB/1500 hrs (preliminary)
Dimensions (standard)	• 16.8" (W) x 12.4" (L) x 6.4" (H) • 42.7 cm (W) x 31.5 cm (L) x 16.3 cm (H)
Weight (standard)	• 7.7 Kg
Power Supply	• 100 – 240V at 50 – 60 Hz; auto switching
Operating Temperature	• 10 – 35° C at sea level (0' – 10,00'); • 50 – 95° F
Power Consumption	• 430 watts
Menu Languages	• English, Spanish, French, German, Japanese, Korean, Portuguese, Italian, Norwegian, Russian, Simplified Chinese, Traditional Chinese
Audible Noise	• 40dB (standard mode); 36dB (whisper mode)
Approvals	• FCC A, UL/cUL, CE, TUV
Lamp Warranty	• 90 days or 500 hours, whichever comes first
Product Warranty	• 3 years parts and labor
Accessory Warranty	• 1 year

*Actual lamp life may vary based on the ambient environment. Conditions that may affect lamp life include temperature, altitude, rapidly switching the projector on and off, and switching between standard and whisper power modes.

OUR COMMITMENT

Our dedication to quality and customer satisfaction is reflected in service options that will bring you a greater return on your investment. ASK projectors come with a standard three-year limited factory warranty, including parts and labor, and a 90-day lamp replacement. Our customer support offers you premium service and convenience, whatever your needs.

For service program details in your region, please visit:

www.infocus.com/service/service_offerings

SHIPS STANDARD WITH:

- User Manual, Quick start guide and CD
- AV cable (3 x RCA)
- RGB PC cable
- Power Cord
- M1 cable
- Remote control (batteries included)

Optional Lenses

LENS-022	Short-throw fixed [0.8:1]
LENS-023	Short-throw zoom [1.1-1.5:1]
LENS-024	Long-throw zoom [2.2-4.1:1]
LENS-025	Ultra long-throw zoom [3.9-7.3:1]

Optional Accessories

CA-ATA-018	ATA case
SP-LAMP-015	Lamp
SP-LAMP-016	Lamp
SP-CEIL-010	Ceiling mount
SP-LTMT-PLT	Ceiling plate, litemount
SP-LTMT-EXTP	LM+ extension arm 26-47"
SP-VGAEXT50-I	VGA 50ft cable/line amp extension solution
SP-AV30	Audio/video cable, 30'
HW-DLXSCRN	Deluxe instra-theatre screen, 60"
HW-WALLSCR84	Manual wall/ceiling 84" screen
HW-RF-POCKTPNT	Pocketpoint RF remote (US only)
HW-PRESENTER	Presentation remote
HW-CONDUCTOR+	Conductor+ remote



Call InFocus Corporation or your dealer today.



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