






Flat Panel LCD Monitors Quick Guide

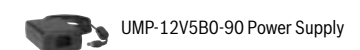
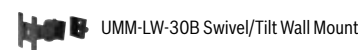
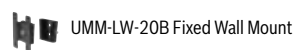


BOSCH

Invented for life

		GENERAL PURPOSE				
SIZE MODEL NUMBER		19-inch 19RTL8	15-inch UML-150-90	17-inch UML-170-90	19-inch UML-190-90	20-inch MON201CL
						
		PC	CBVS			
LCD Panel	Max. Pixel Resolution	1280 x 1024	1024 x 768	1280 x 1024	1280 x 1024	800 x 600
	TVL Resolution	n/a	400 TVL	400 TVL	400 TVL	500 TVL
	Aspect Ratio	4:3 (composite) 5:4 (DVI-/VGA)	4:3 (composite) 5:4 (VGA)	5:4 (composite)	4:3 (composite) 5:4 (DVI-/VGA)	4:3
	Brightness (cd/m ²)	300	250	300	300	450
	Contrast Ratio	1000:1	450:1	1000:1	800:1	500:1
	Backlight	Two (2) cold CFT*	Two (2) cold CFT*	Two (2) cold CFT*	Four (4) cold CFT*	Four (4) cold CFT*
	Viewing Angle (H x V)	160° x 160°	130° x 110°	160° x 160°	160° x 160°	160° x 120°
Video Input	Composite Video and Audio Loop-through	n/a	Passive Loop-through	Passive Loop-through	Passive Loop-through	Active Loop-through
	Composite Video Connector	n/a	Two BNC Connector (looping video)	Two BNC Connector (looping video)	Two BNC Connector (looping video)	Two BNC Connector (looping video)
Computer Input	PC-Compatible	Yes	Yes	Yes	Yes	Not Recommended
	PC-Connector	VGA	VGA	VGA	VGA	Not Recommended
Audio Input	Audio Input	Yes	n/a	n/a	n/a	Yes
	Speaker	2 (1 W)	n/a	n/a	n/a	2 (4 W)
Mechanical	Dimensions (LCD with base)	16.9 W x 16.9 H x 7.9 D (inches) 430 W x 428 H x 200 D (mm)	13.9 W x 14 H x 7.9 D (inches) 352 W x 355 H x 200 D (mm)	15.1 W x 15.4 H x 7.9 D (inches) 382 W x 390 H x 200 D (mm)	16.9 W x 16.9 H x 7.9 D (inches) 430 W x 428 H x 200 D (mm)	18.1 W x 15.6 H x 7.9 D (inches) 461 W x 397 H x 178-229 D (mm)
	Weight (LCD with base)	14.6 lb (6.61 kg)	8.1 lb (3.68 kg)	10.5 lb (4.77 kg)	11.8 lb (5.4 kg)	16.1 lb (7.3 kg)
	VESA Compliant	Yes	Yes	Yes	Yes	Yes
	Cables Included	VGA-to-VGA	VGA-to-VGA	VGA-to-VGA	VGA-to-VGA	VGA-to-VGA
Power	Power Supply	Included	Included	Included	Included	Integrated in Bezel
	Power Consumption	35 W	25 W	40 W	45 W	55 W
	Picture-in-picture	No	No	No	No	No
Additional Features	Front Panel Lockout	No	Yes	Yes	Yes	Yes
	IR Remote	No	No	No	No	Yes
	Rack-mountable	No	Yes ¹	Yes ¹	Yes ¹	No
Accessories	Power Supply for Rack Mounting	n/a	n/a	n/a	n/a	n/a
	Fixed Wall Mount	Yes (UMM-LW-20B)	Yes (UMM-LW-20B)	Yes (UMM-LW-20B)	Yes (UMM-LW-20B)	Yes (UMM-LW-20B)
	Swivel/Tilt Wall Mount	Yes (UMM-LW-30B)	Yes (UMM-LW-30B)	Yes (UMM-LW-30B)	Yes (UMM-LW-30B)	Yes (UMM-LW-30B)

* CFT=Cathode Fluorescent Tubes, rated life 45,000-50,000 hours
¹ Universal rack mount coming soon








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		HIGH PERFORMANCE				
SIZE MODEL NUMBER		15-inch MON152CL30	17-inch UML-172-90	19-inch UML-192-90	20-inch UML-202-90	42-inch 42RTC
						
		CBVS				
LCD Panel	Max. Pixel Resolution	1024 x 768	1280 x 1024	1280 x 1024	1600 x 1200	1366 x 768
	TVL Resolution	500 TVL	500 TVL	500 TVL	500 TVL	450 TVL
	Aspect Ratio	4:3 (composite)	4:3 (composite) 5:4 (DVI-I/VGA)	4:3 (composite) 5:4 (DVI-I/VGA)	4:3 (composite)	16:9
	Brightness (cd/m ²)	400	300	300	300	500
	Contrast Ratio	500:1	1000:1	800:1	800:1	800:1
	Backlight	Four (4) cold CFT*	Two (2) cold CFT*	Four (4) cold CFT*	Six (6) cold CFT*	Twenty (20) cold CFT
	Viewing Angle (H x V)	140° x 125°	160° x 160°	160° x 160°	178° x 178°	178° x 178°
Video Input	Composite Video and Audio Loop-through	Passive Loop-through	Passive Loop-through	Passive Loop-through	Passive Loop-through	Passive Loop-through
	Composite Video Connector	Two BNC Connector (looping video)	Two BNC Connector (looping video)	Two BNC Connector (looping video)	Two BNC Connector (looping video)	Two BNC Connector (looping video)
Computer Input	PC-Compatible	Yes	Yes	Yes	Yes	Yes
	PC-Connector	DVI-I	VGA, DVI-D, HDMI	VGA, DVI-D, HDMI	VGA, DVI-D, HDMI	VGA, DVI-D, HDMI
Audio Input	Audio Input	Yes	Yes	Yes	Yes	Yes
	Speaker	2 (1 W)	2 (2 W)	2 (2 W)	2 (2 W)	2 (2 W)
Mechanical	Dimensions (LCD with base)	15.4 W x 15.6 H x 7.2 D (inches) 391 W x 395 H x 183 D (mm)	15.3 W x 13.7 H x 2.9 D (inches) 390 W x 349 H x 75 D (mm)	16.9 W x 14.9 H x 3.3 D (inches) 429 W x 379 H x 80 D (mm)	18.1 W x 15.5 H x 3.2 D (inches) 460 W x 395 H x 80 D (mm)	41.7 W x 28.5 H x 12 D (inches) 1060 W x 725 H x 305 D (mm)
	Weight (LCD with base)	10.8 lb (4.9 kg)	12.9 lb (5.9 kg)	14.0 lb (6.4 kg)	16.5 lb (7.5 kg)	77.2 lb (35 kg)
	VESA Compliant	Yes	Yes	Yes	Yes	Yes
Power	Cables Included	DVI-to-VGA and DVI-to-DVI	VGA-to-VGA and DVI-to-DVI	VGA-to-VGA and DVI-to-DVI	VGA-to-VGA and DVI-to-DVI	VGA-to-VGA
	Power Supply	Integrated in Base	Included	Included	Integrated in Bezel	Integrated in Bezel
	Power Consumption	42 W	< 45 W	< 50 W	70 W	260 W
Additional Features	Picture-in-picture	Yes	Yes	Yes	Yes	Yes
	Front Panel Lockout	Yes	Yes	Yes	Yes	Yes
	IR Remote	No	Yes	Yes	Yes	Yes
Accessories	Rack-mountable	Yes (MON171RK)	Yes ¹	Yes ¹	Yes ¹	No
	Power Supply for Rack Mounting	Yes (UMP-12V5B0-90)	n/a	n/a	n/a	n/a
	Fixed Wall Mount	Yes (UMM-LW-20B)	Yes (UMM-LW-20B)	Yes (UMM-LW-20B)	Yes (UMM-LW-20B)	Yes (ST660)
	Swivel/Tilt Wall Mount	Yes (UMM-LW-30B)	Yes (UMM-LW-30B)	Yes (UMM-LW-30B)	Yes (UMM-LW-30B)	No

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