

1200 SERIES

Clinical Microscopes



Features

- Precision Optics
- 20W Variable Quartz Halogen Illumination
- Brightfield & Phase Contrast
- Integrated Koehler Illumination
- 5-Year Warranty



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1200-Series Clinical Microscopes

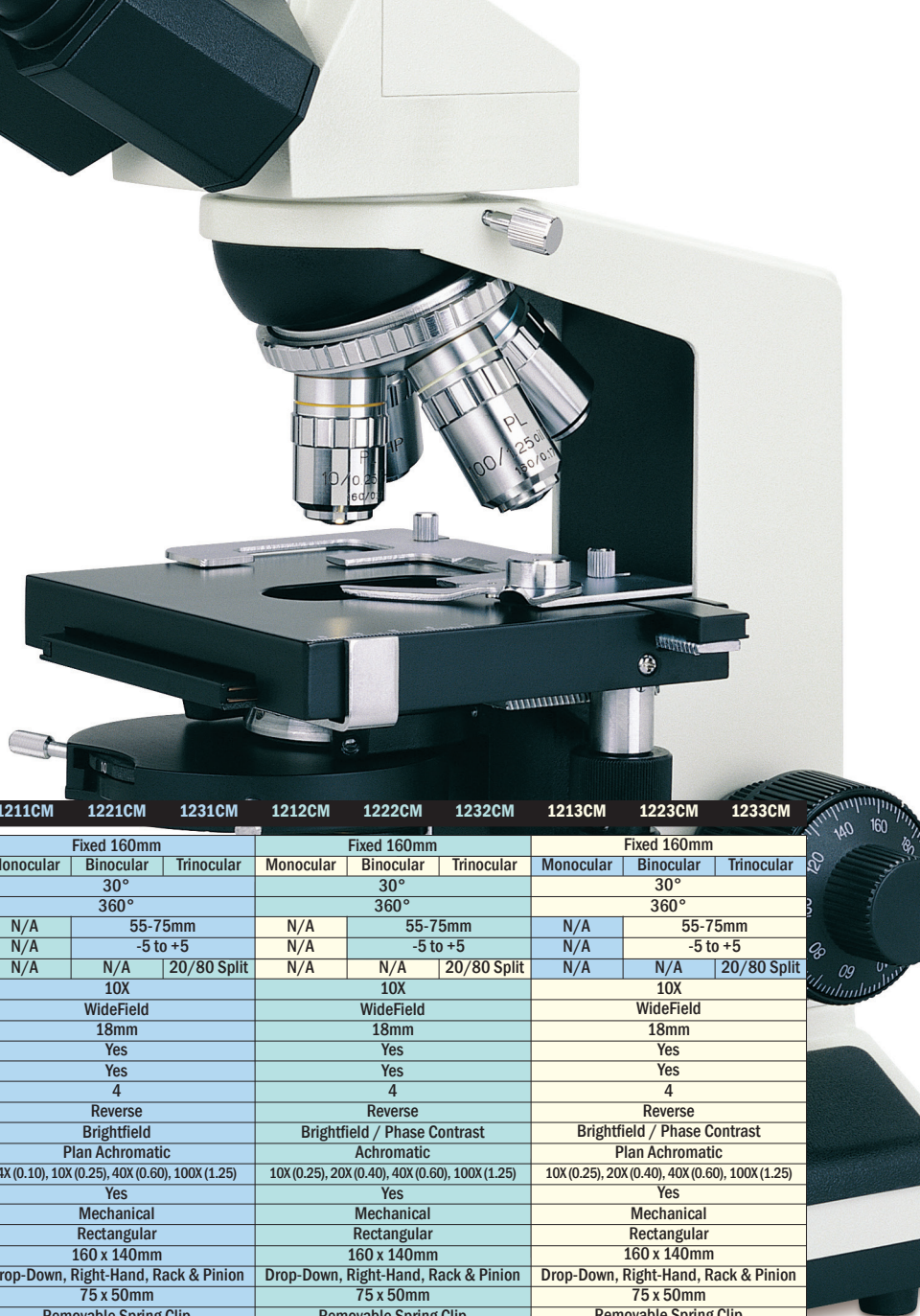
VanGuard 1200-Series Clinical Microscopes provide the necessary specifications for diagnostic & educational use in medical/veterinary clinics, universities, and industrial laboratories.

Wide ranges of models are available in Brightfield & Phase Contrast configurations. Choose from standard achromatic or plan achromatic objectives; monocular, binocular, or trinocular viewing heads.

Various camera packages are available as options; including digital, video, and 35mm systems.

All models feature 10X WideField eyepieces, 20W variable quartz halogen, field diaphragms for Koehler illumination, and are backed by a 5-Year warranty.

Make your lab work better...make it VanGuard.



Technical Specifications

	1210CM	1220CM	1230CM	1211CM	1221CM	1231CM	1212CM	1222CM	1232CM	1213CM	1223CM	1233CM
Optical System	Fixed 160mm			Fixed 160mm			Fixed 160mm			Fixed 160mm		
Type	Monocular	Binocular	Trinocular	Monocular	Binocular	Trinocular	Monocular	Binocular	Trinocular	Monocular	Binocular	Trinocular
Tube Inclination	30°			30°			30°			30°		
Rotatable	360°			360°			360°			360°		
Interpupillary	N/A	55-75mm		N/A	55-75mm		N/A	55-75mm		N/A	55-75mm	
Dioptric	N/A	-5 to +5		N/A	-5 to +5		N/A	-5 to +5		N/A	-5 to +5	
Camera Port	N/A	N/A	20/80 Split	N/A	N/A	20/80 Split	N/A	N/A	20/80 Split	N/A	N/A	20/80 Split
Magnification	10X			10X			10X			10X		
Type	WideField			WideField			WideField			WideField		
Field Diameter	18mm			18mm			18mm			18mm		
High-Eyepoint	Yes			Yes			Yes			Yes		
Rubber Eyecups	Yes			Yes			Yes			Yes		
Positions	4			4			4			4		
Pitch	Reverse			Reverse			Reverse			Reverse		
Illumination Technique(s)	Brightfield			Brightfield			Brightfield / Phase Contrast			Brightfield / Phase Contrast		
Type	Achromatic			Plan Achromatic			Achromatic			Plan Achromatic		
Magnification (N.A.)	4X (0.10), 10X (0.25), 40X (0.60), 100X (1.25)			4X (0.10), 10X (0.25), 40X (0.60), 100X (1.25)			10X (0.25), 20X (0.40), 40X (0.60), 100X (1.25)			10X (0.25), 20X (0.40), 40X (0.60), 100X (1.25)		
DIN Standard	Yes			Yes			Yes			Yes		
Type	Mechanical			Mechanical			Mechanical			Mechanical		
Shape	Rectangular			Rectangular			Rectangular			Rectangular		
Dimensions	160 x 140mm			160 x 140mm			160 x 140mm			160 x 140mm		
X-Y Control	Drop-Down, Right-Hand, Rack & Pinion			Drop-Down, Right-Hand, Rack & Pinion			Drop-Down, Right-Hand, Rack & Pinion			Drop-Down, Right-Hand, Rack & Pinion		
Cross Travel Range	75 x 50mm			75 x 50mm			75 x 50mm			75 x 50mm		
Slide Holder	Removable Spring Clip			Removable Spring Clip			Removable Spring Clip			Removable Spring Clip		
Finish	Chemical Resistant			Chemical Resistant			Chemical Resistant			Chemical Resistant		
Type	Coaxial			Coaxial			Coaxial			Coaxial		
Controls	Coarse/ Fine			Coarse/ Fine			Coarse/ Fine			Coarse/ Fine		
Tension Adjustment	Yes			Yes			Yes			Yes		
Safety Auto-Stop	Yes			Yes			Yes			Yes		
Focusing Range	40mm			40mm			40mm			40mm		
Precision	0.002mm			0.002mm			0.002mm			0.002mm		
Type	Abbe 1.25 N.A. w/ Iris Diaphragm			Abbe 1.25 N.A. w/ Iris Diaphragm			Abbe 1.25 N.A. w/ Iris Diaphragm			Abbe 1.25 N.A. w/ Iris Diaphragm		
Focusing Control	Rack & Pinion			Rack & Pinion			Rack & Pinion			Rack & Pinion		
Zemike Phase Annuli	N/A			N/A			10X, 20X, 40X, & 100X			10X, 20X, 40X, & 100X		
Type	20W Variable Quartz Halogen			20W Variable Quartz Halogen			20W Variable Quartz Halogen			20W Variable Quartz Halogen		
Koehler	Field Diaphragm			Field Diaphragm			Field Diaphragm			Field Diaphragm		
Filter Holder	On Collector			On Collector			On Collector			On Collector		
Base	210 x 180mm; Anti-Skid Rubber Feet			210 x 180mm; Anti-Skid Rubber Feet			210 x 180mm; Anti-Skid Rubber Feet			210 x 180mm; Anti-Skid Rubber Feet		
Body	Ergonomic; Stain-Resistant Enamel Finish			Ergonomic; Stain-Resistant Enamel Finish			Ergonomic; Stain-Resistant Enamel Finish			Ergonomic; Stain-Resistant Enamel Finish		
Dimensions	210 (L) x 180 (W) x 380 (H) mm			210 (L) x 180 (W) x 380 (H) mm			210 (L) x 180 (W) x 380 (H) mm			210 (L) x 180 (W) x 380 (H) mm		
Weight	7.0kg			7.0kg			7.0kg			7.0kg		
Voltage	110V (220V Available On Request)			110V (220V Available On Request)			110V (220V Available On Request)			110V (220V Available On Request)		
Warranty	5-Year Optical/Mechanical; 1-Year Electrical			5-Year Optical/Mechanical; 1-Year Electrical			5-Year Optical/Mechanical; 1-Year Electrical			5-Year Optical/Mechanical; 1-Year Electrical		
Supplied With	Clear Diffusing Filter, Blue Filter, Spare Lamps & Fuses, Dust Cover, & Operation Manual			Clear Diffusing Filter, Blue Filter, Spare Lamps & Fuses, Dust Cover, & Operation Manual			Clear Diffusing Filter, Blue Filter, Green Filter, Telescoping Eyepiece, Spare Lamps & Fuses, Dust Cover, & Operation Manual			Clear Diffusing Filter, Blue Filter, Green Filter, Telescoping Eyepiece, Spare Lamps & Fuses, Dust Cover, & Operation Manual		