VICON
VALERUS

Valerus Shadow Elite Client Workstations

Powerful viewing stations for business-critical surveillance

Powered by Dell and Intel Technology

Summary

The Valerus Shadow Elite Client Workstations combine performance, reliability and extensive display power to create the ideal viewing station for any installation. Adaptable for any business-critical video installations, the Shadow Elite Client Workstations are available in three form factors, a micro and small form factor tower that sits comfortably behind a monitor and a 1U-rack for video wall applications.

Product at a Glance

- Available in Micro/SFF desktop and 1U-rack supporting 2 or 4 monitors
- Install quickly with Valerus pre-installed
- Powered by best-in-class Dell and Intel technology
- Offers peace of mind with 5-year warranty with next business day, on-site support
- Supports up to four 4K displays
- Safeguard your system with SafeBIOS, SafeID, TPM 2.0

Powered by Dell & Intel for Machines that Last

- Top-of-the-line components ensure long-lasting performance
- Future-proof your operation with the latest-gen technology

Installs in Minutes with Preloaded Valerus Software

- Valerus Client software are pre-installed and pre-tested
- Certified for plug-and-play operation out-of-the-box

Backed by a 5-Year Warranty and 24/7 Support

- Includes next business day on-site support
- Covers all components (including HDD)

Specifications (Vicon-Certified Hardware)

Model	Desktop VECA-MC00N0-00	Desktop VECA-SF00N0-00	Rack-Mount VECA-1U00N0-00
Operating System:	Microsoft® Windows® 11† Enterprise IoT LTSC		
CPU/RAM:	Intel® Core® i5 14th Gen, 16 GB DDR5	Intel® Core® Ultra 5 235T, 16 GB DDR5	Xeon® 16 GB DDR5
OS Drive:	1x 256 GB SSD		480 GB SSD
Networking:	1x 1GbE RJ-45	3x 1GbE RJ-45	2x 1 GbE; 1x RJ-45 iDRAC
Video:	Intel HD (HDMI+DP); supports dual 4K monitors	Intel HD (4x DP); NVIDIA GPU (4x mini-DP*); supports quad 4K monitors	Single VGA; NVIDIA GPU (4x mini DP*); supports quad 4K monitors
Additional Rear Panel I/O:	2x USB 3.2 Gen 1; 2x USB 2.0	4x USB 3.2 + 2x USB 2.0	1x USB 2.0; 1x USB 3.0; 1x Serial; 4x mini DP
Front Panel I/O:	1x USB 3.2 + 1x USB 3.2 Type-C; 1x Universal Audio Port	1x USB 3.2 Gen 2 + 1x USB Type-C + 2x USB 2.0; 1x Universal Audio Port	1x USB; 1x Micro USB for iDRAC; Power Button; Status LEDs
Electrical			
Power Supply:	1x 90 W external PSU	300 W	450 W
Typical Power Consumption:	60 W (200 BTU)	200 W (650 BTU)	250 W (850 BTU)
Max. Power Consumption:	90 W (300 BTU)	300 W (1000 BTU)	450 W (1500 BTU)
Mechanical			
Application:	Indoor		
Mounting:	Desktop		Rack mount; 1U
Dimensions (HxWxD):	7.17 in. (182 mm) x 1.41 in. (36 mm) x 7.01 in. (178 mm)	11.95 in. (303.5 mm) x 3.74 in. (95 mm) x 11.54 in. (293 mm)	1.7 in. (42.8 mm) x 19 in. (483 mm) x 17.6 in. (448.6 mm) (with bezel)
Weight:	3.09 lb (1.40 kg)	14.51 lb (6.58 kg)	21.18 lb (9.61 kg)
Construction:	Steel and plastic		
Environmental			
Operating Temperature:	50° to 95° F (10° to 35° C)	50° to 113° F (10° to 45° C)	50° to 95° F (10° to 35° C)
Relative Humidity:	20 to 80% relative, non-condensing		5 to 95% relative, non-condensing
Country of Origin:	Mexico		

†Windows 11 supplied with units shipped after October 2024. *Mini-DP to HDMI adapters included.

Ordering Information Scheme

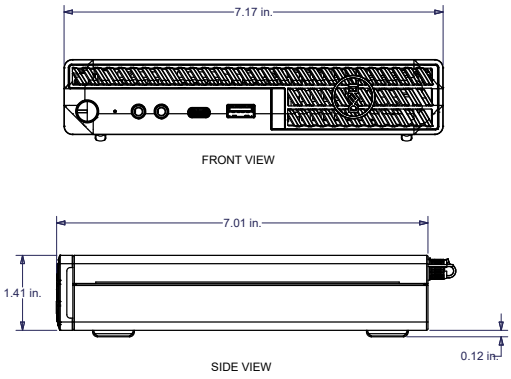
Model	Mounting Type	Model Number
Workstation for viewing and operating Valerus VMS	Micro Form Factor Small Form Factor 1U Rack-Mount	VECA-MC00N0-00 VECA-SF00N0-00 VECA-1U00N0-00

Client Workstation: Micro Form Factor Model (supports dual 4K monitors)

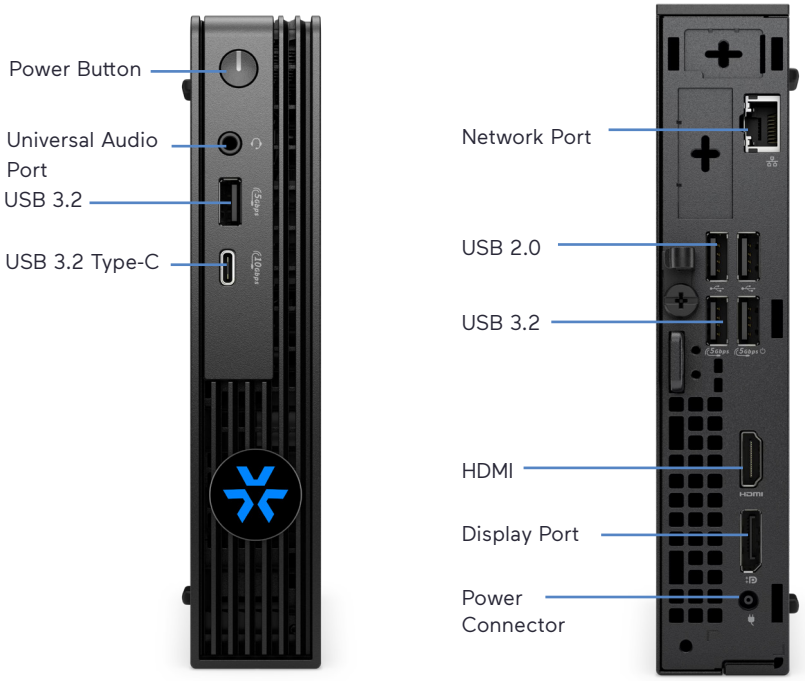
Includes five year NBD onsite KYHD (Keep Your Hard Drive) warranty with UL/FCC/CE and other required certifications.

Model	Storage
VECA-MC00N0-00	No storage

Dimensional Drawing



Front and Rear Panel Controls and Connectors*



Display Performance

Resolution	Web Client						Desktop Client					
	Maximum Cameras Across All Monitors											
	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265
Type	30 FPS		15 FPS		7 FPS		30 FPS		15 FPS		7 FPS	
D1 (720×480)	1	1	4	3	6	6	10	7	16	12	28	22
HD (1280×720)	1	1	4	3	5	4	7	4	14	9	23	17
Full HD (1920×1080)	1	1	3	2	3	3	5	4	10	7	17	14
Quad HD (2048×1536)	1	1	2	2	3	2	5	3	8	5	14	11
Super HD (2592×1944)	1	1	1	1	2	2	3	2	6	3	9	7
4K (3840×2160)	1	0	1	1	1	1	2	1	5	3	8	5

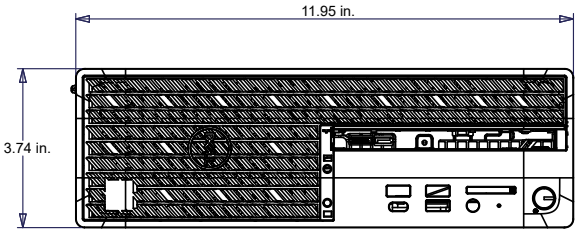
*These drawings are for reference only. The actual video and networking ports may differ but will be similar.

Client Workstation: Small Form Factor Model (1 Data Drive; supports quad 4K monitors)

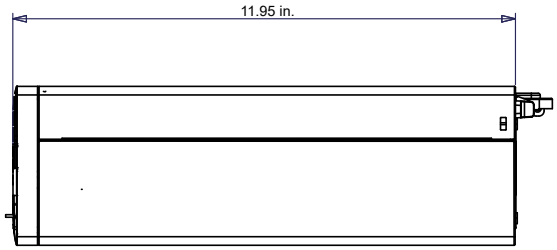
Includes five year NBD onsite KYHD (Keep Your Hard Drive) warranty with UL/FCC/CE and other required certifications.

Model	Storage
VECA-SF00N0-00	No storage

Dimensional Drawing

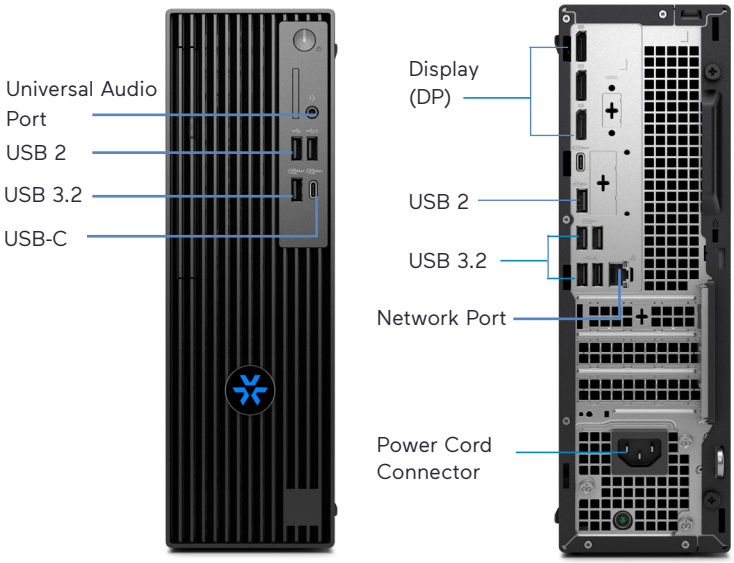


Front View



Side View

Front and Rear Panel Controls and Connectors*



Display Performance

Resolution	Web Client						Desktop Client					
	Maximum Cameras Across All Monitors											
	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265
Type	30 FPS		15 FPS		7 FPS		30 FPS		15 FPS		7 FPS	
D1 (720×480)	32	30	48	45	50	48	41	47	68	72	95	100
HD (1280×720)	25	16	46	29	48	46	34	45	65	62	93	96
Full HD (1920×1080)	15	10	26	16	42	30	18	29	33	55	68	75
Quad HD (2048×1536)	12	8	19	12	38	24	12	20	23	39	58	70
Super HD (2592×1944)	9	6	16	10	23	12	8	14	20	28	31	54
4K (3840×2160)	7	2	9	6	16	11	5	8	10	18	19	42

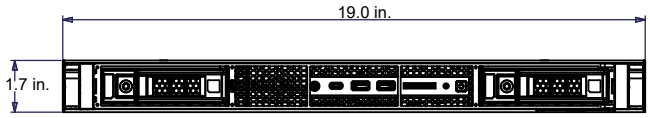
*These drawings are for reference only. The actual video and networking ports may differ but will be similar.

Client Workstation: 1U Rack-Mount Model (2 Data Drives; supports quad 4K monitors)

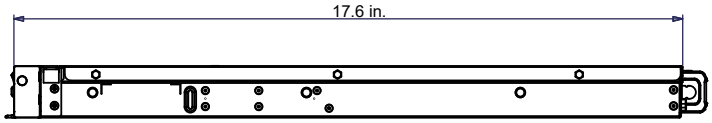
Includes five year NBD onsite KYHD (Keep Your Hard Drive) warranty with UL/FCC/CE and other required certifications.

Model	Storage
VECA-1U00N0-00	No storage

Dimensional Drawing

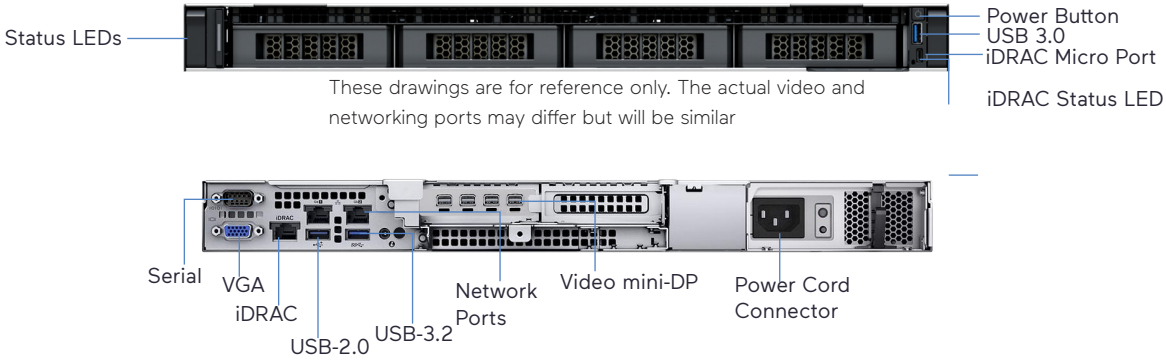


Front View



Side View

Front and Rear Panel Controls and Connectors*



Display Performance

Resolution	Web Client						Desktop Client					
	Maximum Cameras Across All Monitors											
	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265	H.264	H.265
Type	30 FPS		15 FPS		7 FPS		30 FPS		15 FPS		7 FPS	
D1 (720×480)	37	29	45	36	48	46	45	48	82	90	127	135
HD (1280×720)	28	15	48	28	48	45	42	37	60	68	90	108
Full HD (1920×1080)	16	10	30	15	43	29	22	35	38	55	72	100
Quad HD (2048×1536)	13	7	19	12	38	23	14	26	31	50	61	80
Super HD (2592×1944)	8	5	15	8	22	13	10	17	22	33	34	72
4K (3840×2160)	6	2	10	5	14	11	6	9	12	23	22	56

*These drawings are for reference only. The actual video and networking ports may differ but will be similar.

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