



PRODUCT SPECIFICATION

MODEL: V3200AP-1 AND V3200-24AP-1

PRODUCT CODE: 4745 AND 4746

DESCRIPTION: LIGHT-DUTY INDOOR SCANNER

Vicon's V3200AP series indoor scanners are light- and medium-duty units designed for use with small CCTV cameras. Made of impact-resistant, injection-molded plastic, the scanner offers durability and excellent performance quality.

Featured characteristics include non-coast operational stability provided by slow speed, high-torque drive motors with instant start-stop capability. The drive trains, which use acetal output gears, do not require field lubrication. Pan rotation is controlled by a permanent stop for full 360-degree rotation, and by finger-adjustable snap-on limit stops for 5-degree increment adjustments.

The V3200AP-1 scanner is available in 24 VAC, 120 VAC, or line cord operation. Use of the V3200LC Line Cord option (120 VAC units only) eliminates the need for a control unit in installations where the unit will pan continuously. The scanner can be easily installed on a variety of Vicon mounts. The light-duty V3200AP-1 is a round-base unit that can be converted to a square-base unit by using Vicon's V3200SB Square Mounting Base.

NOTES	SPEC NO.	REV.	SEC.
SUPERSEDES PRODUCT SPECIFICATION 328-489	328	599	1



V3200AP SCANNER

ASSOCIATED EQUIPMENT AND ACCESSORIES

Model V3200SB Square Base: Converts round base V3200AP and V3210AP Series Scanners into square base units. Product Code 0272.

Model V3200LC Line Cord: Permits line cord operation of V3200AP and V3210AP Scanners. For use with units intended for continuous autopan. Standard 2-conductor SV No. 18 AWG cable with two-prong plug. Product Code 0271.

CONTRACTORS' SPECIFICATION

INDOOR SCANNER

The scanner shall be an indoor unit with a load rating of 15 lb (6.8 kg) and be capable of continuous unattended scanning. Travel in the horizontal plane shall be at least 360° The tilting mounting bracket shall be capable of manual adjustment of +0 to -90° in the vertical plane.

Pan speed shall be 5/sec with 60 Hz input power. Torque shall be 30 lb-in. (3.4 N-m). The scanner shall be capable of invert-operation. Pan limit stops shall be externally adjustable.

Dimensions shall not exceed: height, 6.25 in. (15.9 cm); diameter, 5.0 in. (13 cm).

The unit weight shall not exceed 3.6 lb (1.6 kg). Housing construction shall be of Lexan polymer having a UL 94-VO fire rating. Internal parts shall be of steel, acetal, or aluminum. Gears shall be steel or acetal, and bearings shall be heavy-duty roller type, factory lubricated for life.

Two models shall be available. One shall have an input voltage of 120 V, 60 Hz and the other shall have an input voltage of 24 V, 60 Hz. Power consumption shall not exceed 3 W. The limit switch shall have a 5 A, 10-million cycle rating.

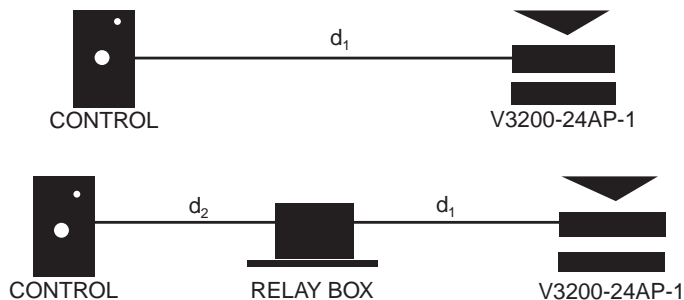
The scanner shall be Vicon models V3200AP-1 (120 VAC) and V3200-24AP-1 (24 VAC).

Product specifications subject to change without notice.
Copyright © 1999 Vicon Industries Inc. All rights reserved.

Vicon part number 8006-7328-01-00
Vicon and its logo are registered trademarks of Vicon Industries Inc.
*Lexan is a registered trademark of General Electric Corp.

**TABLE 1
MAXIMUM OPERATING DISTANCES
(Refer to Figure 1)**

Model	Relay Box	Cable Size (AWG) Annealed Copper	Maximum Distance ft (m)
V3200-24AP-1	d ₁	22	2,800 (850)
		20	4,400 (1,300)
		18	7,000 (2,100)
	V181RM-1 d ₂	22	6,000 (1,800)
		20	10,000 (3,000)
		18	15,000 (4,600)
V3200AP-1	d ₁	22	16,000 (4,800)



**Figure 1
Operating Distances With and Without Relay Box**

TECHNICAL INFORMATION

ELECTRICAL

Input Voltage: 4745: 120 V, 60 Hz.
4746: 24 V, 60 Hz.

Power Consumption: 3 W.

Heat Equivalent: 0.17 btu/min (0.04 cal/min)
Note: These figures represent the conversion of 100% of the electrical energy to heat. Actual percentage of the heat generated will be less and will vary from product to product. These figures are provided as an aid in determining the extent of cooling required for an installation.

Limit Switch Rating: 5 A, 10-million cycle rating.

Connectors: V3200AP-1; Vicon part no. 1806-5002-13. (Mating connector 1806-5002-17 supplied.)
V3200-24AP-1; Vicon part no. 1806-5002-12. (Mating connector 1806-5002-16 supplied.)

Cable Requirements: 4-conductor, unshielded.

OPERATIONAL

Tilt Angle: 90°.

Angular Travel: Pan; 360° maximum.

Limit Stops: Externally adjustable.

Pan Speed: 5°/second.

Maximum Load (upright or inverted): 15 lb (6.8 kg).

Duty Cycle: Continuous.

Output Torque: 30 lb-in. (3.4 N-m).

Gear Train Rating (Static): 90 lb-in. (10.2 N-m).

MECHANICAL

Dimensions: Height: (H) 6.25 in. (15.9 cm).
Diameter (D): 5.0 in. (12.7 cm).



Weight: 3.6 lb (1.6 kg).

Construction: G.E. Lexan* glass-filled polycarbonate, UL 94-VO rated. All other parts aluminum, acetal, or corrosion-protected steel.

Bearings: Heavy-duty roller bearings on output shaft.

Gears: Acetal and hardened steel.

Finish: Light gray plastic.

Mounting: Mounts with one 1/4-20 hex head bolt and lock washer. May be mounted in either upright or inverted position.

Shipping Dimensions: Height: 8.0 in. (20 cm).
Width: 8.25 in. (21.0 cm).
Length: 8.0 in. (20 cm).

Shipping Weight: 4.3 lb (2.0 kg).

Shipping Volume: 0.3 ft³ (0.01 m³).

ENVIRONMENTAL

Operating Temperature Range: 32 to 122° F (0 to 50° C).

Storage Temperature Range: -40 to 150° F (-40 to 65° C).

Storage Humidity: Up to 90% relative, noncondensing.