SCB-3020/2020 HIGH RESOLUTION ATM CAMERA

TECHNICAL SPECIFICATIONS SECURITY SYSTEM

DIVISION – 28 ELECTRONIC SAFETY AND SECURITY

LEVEL 1\_\_28 20 00 ELECTRONIC SURVEILLANCE

LEVEL 2\_\_28 23 00 VIDEO SURVEILLANCE

LEVEL 3\_\_28 23 29 VIDEO SURVEILLANCE REMOTE DEVICES AND SENSORS

PART 2 – PRODUCTS

2.01 GENERAL

A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer’s system.

B. All systems and components shall have been thoroughly tested and proven in actual use.

C. All systems and components shall be provided with the availability of a toll-free (U.S. and Canada), 24-hour technical assistance program (TAP) from the manufacturer. The TAP shall allow for immediate technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.

D. All systems and components shall be provided with a one-day turnaround repair express and 24-hour parts replacement. The repair and parts express shall be guaranteed by the manufacturer on warranty and nonwarranty items.

2.02 SCB-3020/2020 COLOR CCD DAY/NIGHT CAMERA

A. The camera shall provide a horizontal resolution of 600 TV lines of high resolution video and a minimum illumination in low light performance to 0.45 Lux (F1.2, color).The camera shall be especially designed for automated teller machines (ATM) and shall be designed to monitor cash deposits and withdrawals and blanking out PIN information.

B. The camera shall provide a 3.7mm built-in fixed lens and shall support both wide dynamic range (WDR) and virtual progressive scan (VPS).

C. The camera shall support intelligent video recording based on fixed or moved objects, fence line and fence area detection.

D. The camera shall support coaxial communication for access to an on-screen programmable display. The OSD shall be available in English, French, German, Spanish, Italian, Portuguese, Chinese, Taiwanese, Japanese, Korean, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, and Turkish.

2.03 ELECTRICAL SPECIFICATIONS

A. Input Voltage 12V DC ± 10%

B. Power Consumption Max. 2.0 W

2.04 VIDEO SPECIFICATIONS

A. Imaging Device

1. SCB-3020 NTSC 1/3”, Double Scan, CCD

2. SCB-3020 PAL 1/3”, Double Scan, CCD

3. SCB-2020 NTSC 1/3”, Super HAD, CCD

4. SCB-2020 PAL 1/3”, Super HAD, CCD

B. Total Pixels

1. SCB-3020 NTSC 811 (H) x 508 (V)

2. SCB-3020 PAL 795 (H) x 596 (V)

3. SCB-2020 NTSC 811 (H) x 508 (V)

4. SCB-2020 PAL 795 (H) x 596 (V)

C. Effective Pixels

1. SCB-3020 NTSC 768(H) x 494(V)

2. SCB-3020 PAL 752(H) x 582(V

3. SCB-2020 NTSC 768(H) x 494(V)

4. SCB-2020 PAL 752(H) x 582(V)

D. Scanning System 2:1 Interlace

E. Synchronization Internal, Line lock (L-Pulse input)

F. Frequency

1. SCB-3020 NTSC H : 15.734KHz, V : 59.94Hz

2. SCB-3020 PAL H : 15.625KHz, V : 50Hz

3. SCB-2020 NTSC H : 15.734KHz, V : 59.94Hz

4. SCB-2020 PAL H : 15.625KHz, V : 50Hz

G. Horizontal Resolution Color: 600 TV Lines

H. Min. Illumination Color: 0.45Lux (50IRE@F2.0, Sens-up 2x)

I. S / N 52dB (Weight On, AGC OFF)

J. Video Output CVBS : 1.0 Vp-p, 75Ω composite

**2.05 LENS SPECIFICATIONS**

A. Focal Length (Zoom Ratio) 3.7mm

B. Max. Aperture Ratio F2.0

C. Angular Field of View D: 80.81 º, H: 64.65 º, V: 48.49º

D. Minimum Object Distance 0.4m

**2.06 OPERATIONAL SPECIFICATIONS**

A. On-Screen Display

1. NTSC English, Korean, Japanese, Spanish, French,

Portuguese, Taiwanese

2. PAL English, Chinese, German, Italian, French, Spanish,

Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese

B. Camera Title Off, On (Display 54 Characters

C. Day & Night Day, Night, Auto

D. Backlight Compensation Off, On

E. Wide Dynamic Range

1. SCB-3020 128x

2. SCB020 160x

F. Contrast Enhancement Off, Low, Mid, High

G. Digital Noise Reduction Adaptive 3D+2D (Off, Low, Mid, High, User )

H. Digital Image Stabilizing (DIS) Off, On

I. Motion Detection Off / Tracking / Detection

J. Privacy Masking Off, On (12 programmable zones, polygonal type)

K. Sens-up (Frame Integration) 2x ~ 512x

L. Gain Control Off, On

M. White Balance ATW1, ATW2, AWC (Manual), 3200K, 5600K

N. Electronic Shutter Speed

1. SCB-3020 1/60 ~ 1/200,000

2. SCB-2020 1/50 ~ 1/200,000

O. Digital Zoom Off, On (1x ~ 16x)

P. Reverse Off, H, V, H/V

Q. Profile Standard, ITS, Backlight, Day & Night, Gaming, Custom

R. VPS SCB-3020 models

S. Intelligent Video Fixed/Moved object, Fence (Line, Area)

T. PIP Off, On

U. Alarm 1 output

V. Communication Coaxial control (SPC-300 compatible)

W. Protocol Coax: CCVC

**2.07 ENVIRONMENTAL SPECIFICATIONS**

A. Operating Temperature -10°C ~ +50°C (+14°F ~ +122°F)

B. Operating Humidity Less than 90% RH

**2.08 MECHANICAL SPECIFICATIONS**

A. Dimension 53.2 x 40.2 x 50.2 (2.1” x 1.58” x 1.98”)

B. Weight 105 g (0.23 lb)

C. Color Black

D. Material Aluminum

**2.09 WARRANTY**

A. Three years, parts and labor