HTDS
Hi-Tech Detection Systems

620DV
RAPISCAN

CHECKPOINT SCREENING SYSTEM APPROVED AS AN ADVANCED TECHNOLOGY (AT) SYSTEM BY U.S TSA, LIQUID EXPLOSIVE DETECTION SYSTEM (LEDS) BY E.U.

- HIGH PERFORMANCE ADVANCED CHECKPOINT SCREENING
- LARGEST GLOBAL REGULATORY APPROVALS
- DUAL VIEW TECHNOLOGY

STANDARD FEATURES

- Multi energy imaging (4 Color)
- View previous/next bag
- Image archive
- Configurable image processing keys
- Baggage counter
- Date / time display
- Search indicator
- UPS (Uninterrupted Power Supply)
- Flat panel monitor
- Multi language support

STANDARD IMAGE PROCESSING FUNCTIONS

- Crystal clear™
- Black and white
- Organic / inorganic stripping
- Inverse video
- High penetration
- Pseudo color
- Low penetration
- Variable edge enhancement
- Variable color stripping
- Variable gamma
- Variable density
- Dynamic continuous zoom & panning
- Fixed zoom (64x)

TUNNEL OPENING (WXH):
640 X 430 MM (25.2 X 16.9 IN)

THE RAPISCAN 620DV IS AN ADVANCED CHECKPOINT SCREENING SOLUTION, DESIGNED FOR AVIATION AND HIGH SECURITY APPLICATIONS. IT USES INNOVATIVE DUAL VIEW TECHNOLOGY TO GENERATE A HORIZONTAL AND VERTICAL VIEW OF THE OBJECT UNDER INSPECTION.

DETECTION OF EXPLOSIVES AND NARCOTICS ALERT

Target™ and NARCScan™ are designed to assist operators in the detection of a range of explosives and narcotics respectively in real time during the scanning process by marking a potential threat on the X-ray image. Rapiscan detection algorithms are based on regulatory material analysis techniques.

EASE OF USE PROVIDING HIGHEST THROUGHPUT

With over 13 image processing tools and detection alert algorithm functions, the feature rich software allows the operator to more easily and accurately search for contraband.

DUAL VIEW ADVANCED TECHNOLOGY

As mandated by US and EU regulators, the 620DV utilizes a dual view technology which produces two simultaneous images (vertical and horizontal views) of the scanned object. It provides a more complete image, thereby reducing the need for repositioning and rescanning and enabling rapid, accurate and comprehensive threat detection.
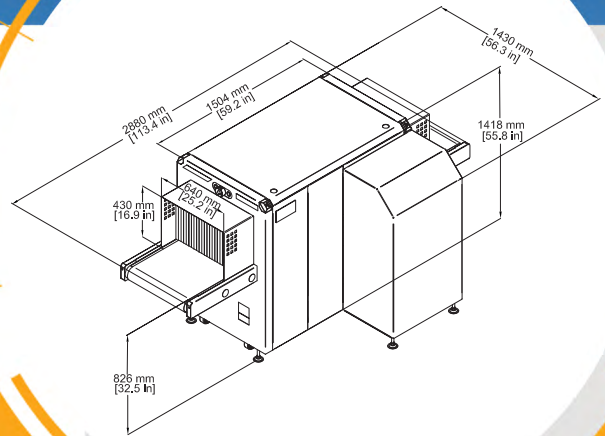
REGULATORY COMPLIANCE

Rapiscan 620DV performance is in full compliance with the European Union regulations (EC) No. 300/2008, (EU) No. 2015/1998 and Commissions Decision C (2015) 8005 for aviation security.

620DV
RAPISCAN

PHYSICAL SPECIFICATIONS

Dimensions:	Length: 2,880 mm (113.4 in.)
	Width: 1,430 mm (56.3 in.)
	Height: 1,418 mm (55.8 in.)
Tunnel size:	640 mm (W) x 430 mm (H) (25.2 x 16.9 in.)
Conveyor speed:	0.22 m/sec (43.3 ft./min)
Conveyor load (Max):	165 Kg (364 lbs)
Conveyor height (Approx.):	826 mm (32.5 in.)
Weight (Approx.):	Net: 1000 Kg (2,205 lbs)
System power:	115/230 VAC +-10%, 60/50Hz

X-RAY GENERATOR AND IMAGE PERFORMANCE[1]

Steel penetration:	40 mm typical, 35 mm standard
Wire resolution:	40 AWG typical; 38 AWG standard
Generator cooling:	Sealed oil bath with forced air
Anode voltage:	Operating at 160kV
Tube current:	1.0 mA
Orientation:	Vertical and horizontal

OPERATING ENVIRONMENT

Storage temperature:	-20°C to 50°C
Operating temperature:	0°C to 40°C
Relative humidity:	5 to 95% non-condensing

PROTECTION CLASS

System:	IP20
Operator control panel:	IP43[2]

GOVERNMENT REGULATORY

U.S. Transportation Security Administration (TSA) AT Approved

EU ECAC Liquids Explosive Detection System Type C Approved

TSA Air Cargo Screening Technology List (ACSTL) Qualified

Transport Canada (TC) Air Cargo Qualified

Regulation (EC) No. 300/2008 Compliant

Regulation (EU) No. 2015/1998 Compliant

EU Commissions Decision (EU) C(2015)8005 Compliant

French Civil Aviation Authority (STAC) Certified

UK Department for Transport (DfT) TIP Approved

UK Department for Transport (DfT) ACBX + LEDS Approved

OPTIONS AND ACCESSORIES

• Detection of liquids, aerosols and gels explosives (aLEXis™)[3]
• Explosives detection alert (Target™)
• Narcotics detection alert (NARCScan™)
• Density threshold alert (DTA)
• Threat image projection (TIP)
• Remote image archive review (NETView™)
• Network X-ray management automation and link system (NEXLink ™)
• Multi-System network display station (NDS)
• Automatic image archiving
• Enhanced image archiving
• Operator training program (OTP)
• Manual scan
• Operator pedestal
• Foot mat
• Optical operator presence sensor
• Smartcard login
• Power conditioner
• Conveyor accessories
• Remote workstation
• Universal printer support

(1) Stated performance as measured by Rapiscan Imaging Validation Test Kit.
(2) With optional replaceable cover.
(3) Please request from your local sales representative for the kit specific part numbers when ordering aLEXis™.

With continual development of our products Rapiscan Systems reserves the right to amend specifications without notice. Product pictures are for general reference. Please note that due to US laws and regulations, not all Rapiscan products are available for sale in all countries without restriction. Please contact your Rapiscan Systems sales representative for more information.