

# Powerful automotive PC designed for mobile enforcement applications

ARH car PC



## Powerful solution for mobile number plate recognition applications

The ARH Car PC is a powerful industrial grade PC-based system which is specially designed for mobile installation. The anti-vibration protection and the anti-shock protection makes its usage reliable in vehicles.

The ARH Car PC is not just a simple mobile PC: it has unique features like intelligent (programmable) UPS with full control and GPS receiver & GPS antenna.

It is configurable for many applications thanks to its input/output connectors: 2x LAN, 3xUSB, PS/2, DVI out, composite + S-video TV out.

It has unique features which makes ARH Car PC a perfect solution for embedded/mobile applications.

### More useful advantages of ARH Car PC

- Maintenance free operation
- No moving parts
- Configurable

The ARH Car PC is a perfect solution for mobile ANPR/LPR applications.

### TFT screen

- 16:9 wide TFT screen
- Full function OSD control (English)
- Built/in stereo speakers
- Earphone output
- Autodimmer

### Computer

- Intel Core Duo 1.2 Ghz processor
- Windows XP Professional
- 1Gb RAM
- 40GB HDD
- GPS receiver and antenna

Automatic Number Plate Recognition  
ARH

TECHNICAL COMPARE FREEFLOW OPTIONS CAMERA 1 CAMERA 2

name	left	mid	right	min	max	conf
ocr time	143	155	248.2	97	1052	237.0
char height	16	17	15.3	10	20	2.9
plate slope	-4	-4	-4.1	0	7	1.6
plate slant	-4	-8	-7.4	-13	0	3.7
plate left	170	170	177.7	2	297	79.1
plate top	112	143	149.7	73	222	38.9
plate right	272	272	276.8	124	379	66.7
plate bottom	133	168	169.6	85	244	40.7
char count	6	6	6.1	6	8	0.4

License plate: **HYM 757**  
Country: **HUN**

CARMEN ANPR engine results

### ARH Inc.

H-1126 Budapest, Királyhágó tér 8-9. Hungary  
Phone: +36 1 201 9650 • Fax: +36 1 201 9651  
www.arhungary.hu • E-mail: moreinfo@arhungary.hu



# Technical specifications

## of ARH Car PC

### ARH CAR PC "S" type configuration

#### Processor

- Intel Core Duo 1.2 GHz

#### RAM

- 1 GB DDR2

#### Graphics

- Integrated Intel graphics controller

#### HDD

- Automotive 40GB (Flashdrive: optional)

#### Network

- Gigabit LAN controller

#### Input/Output

- 2 x RJ45 LAN
- 2 x serial
- 3 x USB2.0
- DVI + VGA out
- PS2 for keyboard
- Mic + line in, line out
- Composite + S-video TV out

#### Power

- Input voltage: 9-30 VDC (5.4A @ 9DC)
- Power consumption: max. 50W (typical 15-20W)

#### Operating temperature

- -10 °C to +45 °C

#### Operating humidity

- Max. 95% (non-condensing)

#### Mounting

- DIN rail

#### Vibration and shock resistance

- IEC 60068-2-64, IEC 60068-2-27

#### Compliances

- CE, FCC, RoHS, CCC, UL

#### Power Module with UPS

- Smart Battery, Li-Polymer, 3000mAH

#### GPS receiver and antenna included

#### Windows XP Professional included

Technical specifications are subject to change without prior notice

### ARH CAR PC "M" type configuration

ARH CAR PC "S" type configuration improved with  
+Video Input 6 composite channels  
+Full PAL/NTSC capture at 50/60 FPS (shared among all channels)

### ARH CAR PC "Z" type configuration

ARH CAR PC "S" type configuration improved with  
+ WLAN 802.11 b/g

### TFT specifications

#### Screen size

- 7" digital touch screen

#### Aspect Ratio

- 16:9 wide TFT

#### Resolution

- Dot resolution: 2400x480 (1,152,000 dots)
- Physical resolution: 800x480

#### Supported resolutions

- 640x480 - 1024x768

#### Color configuration

- RGB stripe

#### Power input

- DC 11-24V

#### Power consumption

- Max. 8W

#### Video system

- 3x Video inputs (PAL/NTSC)
- 1x VGA input

#### Display

- Case: 184x129x32 mm
- Screen: 154 x 93 mm

#### Video input signal

- 1.0Vp-p, composite video
- Full function OSD control (English)
- Built-in stereo-speakers
- Earphone output (on the rear side)
- Automatic switching to rear camera (by a 12V cable)
- Autodimmer

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