

Introduction

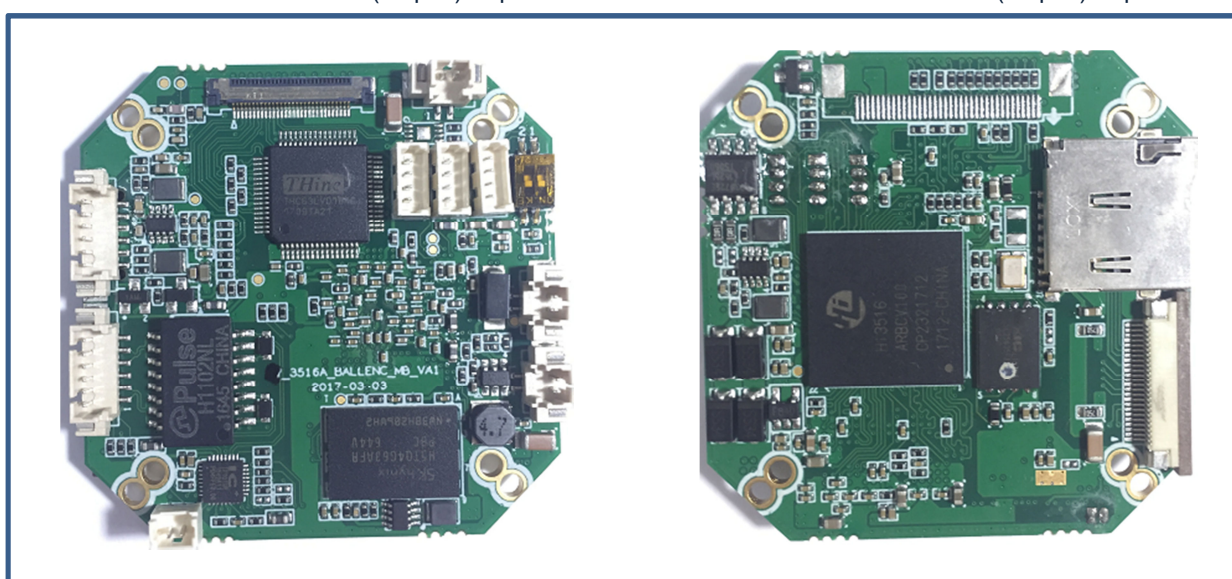
HIVIEW provides a video network encoding board designed with Huawei Hisilicon chip HI3516A or HI3516D.

There are two input interface for you to choose, as shown in the figure below.

You can use this board to develop HD network cameras. We will provide software services and hardware services.

LVDS Interface (30pin) Input

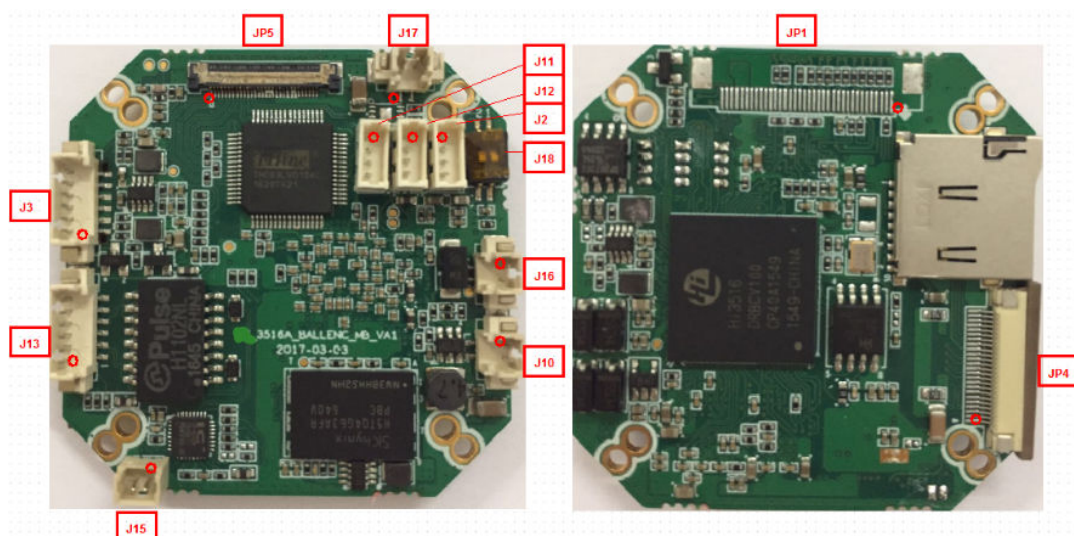
BT1120 Interface (36pin) Input



General specifications

Power supply	DC12V±10%
Current(Normal operation@12v)	180mA
Power Consumption	2.2W
Dimensions	48*48(±0.5)mm
Weight	Approx. 60g
Operating Temperature	-10°C to 60°C
Operating Humidity	Lower than 90%

Interface description



JP5: (KEL USL00-30L) for HVB2620N			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	TXOUT3+ (LVDS)	16	DCIN(9~15V) recommend 12V
2	TXOUT3- (LVDS)	17	DCIN(9~15V) recommend 12V
3	TXCLKOUT+ (LVDS)	18	DCIN(9~15V) recommend 12V
4	TXCLKOUT- (LVDS)	19	GND
5	TXOUT2+ (LVDS)	20	GND
6	TXOUT2- (LVDS)	21	GND
7	TXOUT1+ (LVDS)	22	GND
8	TXOUT1- (LVDS)	23	GND
9	TXOUT0+ (LVDS)	24	GND
10	TXOUT0- (LVDS)	25	NC
11	GND	26	NC
12	RXD	27	NC
13	TXD	28	NC
14	DCIN(9~15V) recommend 12V	29	NC
15	DCIN(9~15V) recommend 12V	30	NC
J3			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	CVBS	4	GND
2	GND	5	AC_LIN_IN (Audio in)
3	RESET (System reset)	6	AC_LIN_OUT (Audio out)
J10			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	DCIN(9~15V) recommend 12V	2	GND
J15			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	RS485-	2	RS485+

JP1: (FFC-FPC) for HVB2610N			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	GND	19	C-OUT [6]
2	Y-OUT [0]	20	C-OUT [7]
3	Y-OUT [1]	21	GND
4	Y-OUT [2]	22	VSYNC
5	Y-OUT [3]	23	HSYNC
6	GND	24	GND
7	Y-OUT [4]	25	DIGITAL CLOCK
8	Y-OUT [5]	26	GND
9	Y-OUT [6]	27	GND
10	Y-OUT [7]	28	GND
11	GND	29	GND
12	C-OUT [0]	30	GND
13	C-OUT [1]	31	DCIN(9~15V) recommend 12V
14	C-OUT [2]	32	DCIN(9~15V) recommend 12V
15	C-OUT [3]	33	DCIN(9~15V) recommend 12V
16	GND	34	GND
17	C-OUT [4]	35	TXD
18	C-OUT [5]	36	RXD
J13			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	ETH_TX+ (RJ45)	4	ETH_RX+ (RJ45)
2	ETH_TX- (RJ45)	5	ETH_RX- (RJ45)
3	ETH_LED0 (RJ45 LED)	6	ETH_LED1 (RJ45 LED)
J16			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	GND	2	CDS
J17			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	CAM_RXD (FORM CAMERA)	2	CAM_TXD (FORM CAMERA)
J2			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	GND	3	USB_DM
2	USB_DP	4	3V3_WIFI
J11			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	GIP00_8	3	ALARM_OUT
2	GIP00_7	4	ALARM_IN
J12(debugger)			
Pin No.	Pin Definition	Pin No.	Pin Definition
1	UATRO_TXD	3	3V3
2	UART0_RXD	4	GND