

Programming Steps

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Arduino	ESP 32 CAM
5V	5V
GND	GND
TX	UOT
RX	UOR
Reset → GND (self)	—
—	I/O → GND (self) only while programming

Arduino	NFC Module V3
GND	GND
5V	5V
SD	SPI
SCK	SCL
V2	V2
GND	GND

ESP 32 CAM USB to TTL

5V	5V
GND	GND
UOT	RxD
UOR	TxD
I/O → GND (self)	—
Only while programming	

Final Connection

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Arduino

5V
GND
A4
A5

5V
GND
D0
D1

NFC Module V3

VCC
GND
SCK
SDA

V3
GND
XT
XR

GND - 0V

Arduino

5
6

ESP 32 CAM

IO15
IO14

USB To TT2

5V
GND

ESP 32 CAM

5V
GND

Arduino can also be used to "power" the ESP 32 CAM.